

Statement showing the quantity of salt in Bonded Warehouses and afloat on the river Hooghly on the 31st day of August 1922 and transactions during the half-month from the 16th to the 31st August 1922.

Description of Salt.	In Sulkea Government golas (Bonded).	Quantity afloat.	Total.	TRANSACTIONS DURING HALF-MONTH FROM THE 16TH TO THE 31ST AUGUST 1922, INCLUSIVE.			
				Quantity on which duty has been paid.	Manifested quantity arrived in the port of Calcutta.	Deliveries from ship-board for consumption and for inland bonded warehouses.	Deliveries from bonded warehouses for consumption and for inland bonded warehouses.
United Kingdom—	Mds. Srs.	Mds.	Mds. Srs.	Mds.	Mds.	Mds.	Mds.
Liverpool and other Panga salt.	357,368 0	121,871	479,239 0	146,620	72,278	39,500	19,780
Other European countries—							
Spanish salt	459,122 0	...	459,122 0	8,400	...	...	24,100
Hamburg and Bremen salt.	92,696 0	131,651	224,347 0	48,192	60,283	42,960	80,842
Hamburg and Bremen rock salt.	...	...	...	...	...	...	...
Port Said salt	555,361 0	52,886	608,247 0	89,630	239,556	34,430	56,150
Aden and Red Sea—							
Aden salt	1,335,698 0	...	1,335,698 0	146,048	10,289	29,150	79,448
Salif salt ... ..	...	...	...	...	...	...	...
Salif rock salt ... ..	...	...	...	...	...	...	...
Rawayah salt ... ..	...	...	...	...	...	...	...
Massawah salt	252,516 10	130,453	382,969 10	14,038	138,834	...	38,400
Muscat and Persian Gulf—							
Muscat, Lingah and Hanjam salt.	...	...	...	...	...	...	...
Ditto ditto rock salt.	...	...	...	...	...	...	...
British India—							
Bombay salt ... ..	...	...	...	...	...	...	...
Madras salt ... ..	...	...	...	...	...	...	...
Coconada salt ... ..	...	...	...	...	...	...	...
Tuticorin salt	26,400 0	...	26,400 0	...	...	...	...
Total	(a) 3,079,161 10	436,861	3,516,022 10	(b) 452,928	521,240	146,040	248,720

(a) Besides 76,546 maunds in balance in stock in the private licensed warehouses at Ramkrishnapur.
(b) This excludes 1,500 maunds passed free of duty for the manufacture of glazed stoneware.

Written off during the half-month—

Wastage in Sulkea golas 3,047
Abandoned and destroyed 408

In transit—

Liverpool salt 29,660
Port Said salt 76,060
Aden salt 1,950
Massawah salt 8,380

ERRATA.

In column 6 of the statement ending 30th June 1922, published at page 1144 of the Supplement of the *Calcutta Gazette* of 22nd July 1922, the figures against the items of Port Said, Massawah and Bombay salt may be read "Nil" and that against total of the column may be read "912,101" for "1,411,339."

S. N. GUPTA,

Assistant Collector of Customs for Imports.

CALCUTTA CUSTOM HOUSE, the 8th September 1922.

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 6th September 1922.

Summary.—During the week under review seasonable rain fell almost throughout the Presidency. Transplantation of winter paddy and harvesting of autumn crops are nearing completion. Weeding of winter paddy is proceeding favourably. The area transplanted with the crop is likely to approach the normal, and the outlook is reported to be good. The prospects of other standing crops are generally favourable. The average price of common rice for the Province has fallen by about 1·42 per cent. as compared with that of the previous week.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
1	24-PARGANAS ...	1·29	5½	5½	Effects of weather on standing crops are good. Re-transplantation of <i>aman</i> paddy continues in Diamond Harbour. <i>Aman</i> paddy is thriving well at Baraset. Harvesting of <i>aus</i> paddy continues in Baraset. Prospects of jute are not favourable at Basirhat. Harvesting of jute continues. Fodder and water are sufficient.
	Diamond Harbour.	3·59	5½	5½	
	Barrackpore ...	0·17	5½	5½	
	Baraset ...	0·94	5	5	
	Basirhat ...	0·72	6½	6½	
2	NADIA ...	0·72	6½	6½	Harvesting of <i>aus</i> paddy and jute continues. Slight damage to jute by rain and to <i>aus</i> paddy by insect-pests is reported. Prospects of <i>aman</i> paddy are good. Prospects of jute are fair, although slight damage has been reported from Meherpur. Fodder and water are sufficient. Cattle-disease is reported from the Sadar.
	Kushtia ...	0·25	6	6	
	Meherpur ...	0·47	6½	6½	
	Chuadanga ...	0·66	6½	6½	
	Ranaghat ...	1·20	5½	5½	
3	MURSHIDABAD	Nil	6½	6½	Prospects of standing crops are fair. Condition and prospects of jute are not favourable. The flood has caused some damage. Harvesting of jute continues. Scarcity of fodder prevails at Kandi. No large import or export. Cattle-disease is reported from thana Bharatpur in Kandi subdivision.
	Lalbagh ...	1·14	6½	6	
	Jangipur ...	2·76	6½	6½	
	Kandi ...	0·78	8	7½	
4	JESSORE	1·28	6	6	Condition and prospects of jute are not satisfactory. The weather is favourable now. The growth of jute has been retarded by heavy rainfall, which has caused damage. Harvesting has commenced. Prospects of other standing crops are not favourable. Harvesting of <i>aus</i> paddy continues. Cultivation of lands for <i>rabi</i> crops has commenced in places. Export of paddy continues to be reported from Bongaon. Fodder and water are sufficient.
	Jhenidah ...	1·96	5½	(n)	
	Magura ...	1·33	6	5½	
	Narail ...	7·12	5½	5½	
	Bongaon ...	0·35	6½	6½	
5	KHULNA ...	1·06	6	6	Weather seasonable. Condition and prospects of jute and other standing crops are fair. Harvesting of <i>aus</i> paddy and jute continues, and transplantation of <i>aman</i> paddy is nearly finished. The effects of weather on the growth of jute are unfavourable. Slight damage is reported from Syamnagore, Daulatpur and Debhata thanas. Fodder and water are sufficient.
	Satkhira ...	0·64	6	6	
	Bagerhat ...	1·17	6½	6½	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
6	BURDWAN ...	2.04	6½	6½	Weather cloudy with occasional showers. Transplantation of <i>aman</i> paddy is finished, and its weeding continues. Harvesting of <i>aus</i> paddy and jute has commenced. Prospects of <i>aman</i> paddy and sugarcane are good.
	Asansol ...	1.31	6	6	
	Katwa ...	2.06	6½	6½	
	Kalna ...	1.41	6½	5½	
7	BIRBHUM ...	2.29	6½	5½	Weather cloudy. Condition of standing crops is good. Fodder and water are sufficient.
	Rampurhat ...	4.85	7	6½	
8	BANKURA ...	1.82	6½	6½	Standing crops are doing well.
	Vishnupur ...	1.54	6½	6½	
9	MIDNAPORE ...	0.92	7½	7½	Condition of winter paddy is favourable. Harvesting of jute is progressing. Transplantation of winter paddy is nearly finished and its weeding continues. Condition of standing crops is favourable.
	Jhargram ...	2.52	6	(n)	
	Ghatal ...	0.24	6½	6½	
	Tamluk ...	0.38	5½	5½	
	Contai ...	2.34	6½	6½	
10	HOOGHLY ...	0.38	5½	5½	Effects of weather on crops are favourable. Fodder is sufficient. Condition and prospects of jute are fair. Harvesting of jute continues.
	Serampore ...	0.28	5½	5½	
	Arambagh ...	0.45	6½	6½	
11	HOWRAH ...	1.91	5½	5½	Re-transplantation and weeding of paddy continue. Cutting of jute continues. Condition of jute is fair.
	Uluberia ...	0.97	5½	5½	
12	RAJSHAHI (RAMPUR-BOALIA).	0.62	6	6	Jute crops has been slightly damaged by heavy rain and insects in Natore. Harvesting of jute continues. Prospects of jute and the effects of weather on the crop are fair. Fodder and water are sufficient. Slight cattle-disease is reported from the Sadar and Natore subdivisions.
	Naogaon ...	1.94	5½	5½	
	Nator ...	1.31	6	6	
13	DINAJPUR ...	3.38	7½	7½	Weather seasonable. Prospects of winter paddy are good and its transplantation is practically finished. Harvesting of jute and <i>bhadoi</i> paddy continues. Fodder and water are sufficient.
	Thakurgaon ...	2.94	8	8½	
	Balurghat ...	3.32	7½	7½	
14	JALPAIGURI ...	3.25	6½	6½	State of jute is normal. There has been no damage. Harvesting of jute and <i>bhadoi</i> paddy is continuing. Transplantation of winter paddy is going on.
	Alipur ...	3.78	6	6	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
15	DARJEELING ...	4.52	5	5½	Maize and potatoes are being harvested. <i>Marua</i> and paddy seedlings are being transplanted. Effects of weather on jute and the condition of the crop are good. Harvesting of jute is making good progress. Fodder and water are sufficient. Cattle-disease exists in places.
	Kurseong ...	5.23	6	6	
	Siliguri ...	10.75	6	6	
	Kalimpong ...	6.01	5½	6	
16	RANGPUR ...	1.47	6½	6½	Transplantation of winter rice and steeping of jute are being retarded for want sufficient rainfall. Cattle-disease still continues in all the thanas of the Gaibandha subdivision. Fodder and water are sufficient.
	Nilphamari ...	0.62	6½	6½	
	Kurigram ...	0.95	6½	6½	
	Gaibandha ...	0.69	6½	6½	
17	BOGRA ...	0.70	7½	7½	Harvesting of <i>aus</i> paddy and jute and steeping of jute and the transplantation of winter paddy seedlings continue. Condition and prospects of jute are fair.
18	PABNA ...	1.16	5½	5½	Weather partially rainy and cloudy. Rainfall during the week has improved the condition and prospects of standing crops. Harvesting of jute and <i>aus</i> paddy still continues. There has been no damage to jute by insects during the week. Condition and prospects of jute are fair. Agricultural stock is sufficient. Rice market is steady. Pasturage, fodder and water are sufficient.
	Sirajganj ...	2.24	6½	6½	
19	MALDA ...	0.87	6	6	Transplantation of winter paddy is nearly completed and its prospects are good. The prospects of jute are not good as they have become stunted in growth due to damage by previous heavy rain and floods. Fodder and water are sufficient.
20	COOCH BEHAR	(n)	(n)	7½	Report not received.
21	DACCA ...	2.85	7	6½	Weather seasonable. Steeping and drying of jute continue. Transplantation of winter paddy is nearly finished. Rice market shows a downward tendency. Fodder and water are sufficient.
	Manikganj ...	1.45	7½	(n)	
	Narayanganj ...	2.13	7½	7	
	Munshiganj (a)	1.56	6½	(n)	
22	MYMENSINGH...	4.12	6½	6½	Weather seasonable. Prospects of standing crops are good. Condition and prospects of jute are fair and the effects of weather on the crop are fair. Harvesting of jute is making satisfactory progress. Fodder and water are sufficient. Harvesting of <i>aus</i> paddy is nearly completed and transplantation of <i>aman</i> paddy seedlings is continuing.
	Jamalpur ...	2.53	6½	6½	
	Tangail ...	0.62	6½	7	
	Netrokona ...	4.32	6½	6½	
	Kishorganj ...	2.34	5½	5½	

(a) Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district, rainfall figures for Kapasia thana are reported here.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
23	FARIDPUR ...	1.24	{ 6½ 6½*	6 6½*	Prospects of standing crops are unfavourable. Fodder is insufficient, except in Goalundo.
	Goalundo (Rajbari).	1.18	6	6	
	Madaripur ...	1.03	6½	6½	
	Gopalganj (a) ...	1.61	6	(n)	
24	BAKARGANJ (BARISAL).	1.57	6	6½	Weather seasonable. Prospects of standing crops are fair. The condition of jute has improved. About ten annas crop has been harvested. Fodder and water are sufficient.
	Pirojpur ...	0.76	5½	5½	
	Patuakhali ...	2.89	6½	(n)	
	Dakshin Shabazpur (Bhola).	4.16	7½	7½	
25	CHITTAGONG ...	1.78	{ 5½ 6½*	5½ 6½*	Transplantation of <i>aman</i> paddy and harvesting of <i>aus</i> paddy are in progress. Prospects of standing crops are fair. Fodder is sufficient. <i>Panga</i> salt is selling at 13 seers per rupee at Sadar subdivision and 10½ seers at Cox's Bazar. Cattle-disease is reported from Satkania.
	Cox's Bazar ...	1.65	6	6	
26	TIPPERA (COMILLA).	1.52	5½	5½	Weather hot and cloudy. Harvesting of <i>aus</i> paddy and jute is nearing completion and transplantation of winter paddy is in full swing. Cattle-disease is reported from the Brahmanbaria subdivision. Condition and prospects of jute and <i>aus</i> paddy are satisfactory. The weather condition is favourable to jute.
	Brahmanbaria	1.20	5½	6½	
	Chandpur ...	2.66	6½	6½	
27	NOAKHALI ...	7.37	5½	5½	Weather seasonable. Prospects of standing crops are good. Transplantation of <i>aman</i> paddy seedlings and harvesting of <i>aus</i> paddy are nearly completed. Prospects and condition of jute are good and its harvesting is almost over. Fodder and water are sufficient.
	Feni ...	4.48	6	(n)	
28	CHITTAGONG HILL TRACTS.	4.83	5½	6	Prospects of crops are favourable. Fodder and water are sufficient. Condition of cotton is not good.
29	TRIPURA STATE	1.11	5½	5½	Weather seasonable. Cotton is in flower in some places. Fodder and water are sufficient. Harvesting of jute commences. Cleaned cotton sells at Rs. 26 to 35 per maund. Cattle-disease exists in two divisions.

* Burma rice.

(a) The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

(n) Not reported.

J. GHOSH,
for Director of Agriculture, Bengal.

DACCA, the 9th September 1922.

Wholesale prices current of food grains, salt, etc., in the undermentioned marts of Bengal for the second-half of August 1922.

Marts.	PADDY, LOCAL (BEST QUALITY).			PADDY, LOCAL (COMMON QUALITY).			RICE, LOCAL (BEST QUALITY).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
1	2	3	4	5	6	7	8	9	10
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	4 12 0	4 12 0	3 12 0	4 6 0	4 6 0	3 0 0	9 8 0	9 8 0	9 8 0
Burdwan ...	(a)	(a)	4 8 0	3 5 6	3 7 0	4 5 6	8 0 0	8 0 0	10 0 0
Raniganj ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore ...	3 8 0	3 8 0	4 2 0	3 2 0	3 2 0	3 12 0	7 8 0	8 0 0	8 8 0
Chittagong ...	3 8 0	3 12 0	3 8 0	3 0 0	3 4 0	3 4 0	7 0 0	7 4 0	8 0 0
Dacca ...	4 0 0	4 0 0	3 7 0	3 8 0	3 10 0	3 0 0	7 4 0	7 8 0	7 3 0
Pabna ...	3 13 0	4 0 0	4 1 6	3 10 0	3 13 0	3 13 0	8 0 0	8 0 0	7 10 0
Rangpur ...	4 0 0	4 0 0	4 4 0	3 4 0	3 4 0	3 12 0	8 0 0	8 0 0	8 12 0
Serajeanj (Pabna).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sarisabari (Mymensingh).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Narayanganj (Dacca).	.....	.....	.....	.....	.....	.....	.....	.....	.....

Marts.	RICE, LOCAL (COMMON QUALITY).			WHEAT.			KALAI DAL.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	11	12	13	14	15	16	17	18	19
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 0 0	8 0 0	8 0 0	5 8 0	5 8 0	5 8 0	6 0 0	6 0 0	6 0 0
Burdwan ...	6 0 0	6 0 0	7 12 0	6 0 0	6 12 0	8 0 0	8 0 0	7 12 0	7 4 0
Raniganj ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore ...	5 8 0	6 0 0	7 0 0	(c)	(c)	8 8 0	8 12 0	8 12 0	8 0 0
Chittagong ...	6 0 0	6 4 0	6 8 0	.....	.....	.....	.....	.....	.....
Dacca ...	6 8 0	6 0 0	5 10 0	7 4 0	7 0 0	6 2 0	5 0 0	5 0 0	4 9 0
Pabna ...	6 8 0	6 12 0	7 4 0	6 4 0	6 8 0	6 11 0	7 4 0	7 4 0	.....
Rangpur ...	6 4 0	6 4 0	7 9 0	7 8 0	7 8 0	6 12 0	.....	.....	.....
Serajeanj (Pabna).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sarisabari (Mymensingh).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Narayanganj (Dacca).	.....	.....	.....	.....	.....	.....	.....	.....	.....

(a) Not available.

(c) No transaction.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the second-half of August 1922.

Marts.	GRAM.			ARHAR DAL.			LINSEED.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	20	21	22	23	24	25	26	27	28
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	5 12 0	5 12 0	5 0 0	8 8 0	8 8 0	8 0 0	11 0 0	11 0 0	12 0 0
Burdwan ...	5 0 0	5 4 0	6 8 0	8 0 0	8 0 0	8 8 0	(a)	(a)	10 8 0
Raiganj ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore ...	6 8 0	6 8 0	7 0 0	10 8 0	10 8 0	{ 9 8 0 to 10 8 0 }	8 12 0	8 12 0	10 0 0
Chittagong ...	7 8 0	7 8 0	7 8 0	10 0 0	10 0 0	13 0 0	12 0 0	12 0 0	12 0 0
Dacca ...	7 8 0	8 0 0	8 0 0	10 0 0	10 0 0	9 0 0	8 0 0	7 12 0	6 4 0
Pabna ...	5 12 0	6 0 0	.....	11 0 0	11 0 0	11 0 0	8 6 0	8 12 0	9 8 0
Rangpur ...	7 0 0	7 0 0	.....	9 0 0	9 0 0	9 0 0	(n)	.....	.....
Seraiganj (Pabna).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sarisabari (Mymensingh).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Narayanganj (Dacca).	.....	.....	.....	.....	.....	.....	.....	.....	.....

Marts.	MUSTARD.			GUR.			COTTON (UNGINED).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	29	30	31	32	33	34	35	36	37
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	10 0 0	10 0 0	11 8 0	8 0 0	8 0 0	10 0 0	No transaction		
Burdwan ...	{ 8 0 0 to 10 0 0 }	{ 8 0 0 to 10 0 0 }	8 8 0	{ 7 0 0 to 11 0 0 }	{ 8 0 0 to 10 0 0 }	10 0 0	.....	.....	.....
Raiganj ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore ...	{ 10 8 0 to 12 0 0 }	{ 10 8 0 to 12 0 0 }	{ 10 4 0 to 11 8 0 }	10 8 0	10 8 0	{ 11 0 0 to 12 8 0 }	.....	.....	.....
Chittagong ...	10 0 0	10 0 0	9 0 0	10 0 0	10 0 0	11 0 0	.....	.....	.....
Dacca ...	9 0 0	9 0 0	8 12 0	12 0 0	12 0 0	12 4 0	.....	.....	.....
Pabna ...	9 0 0	9 0 0	8 8 0	6 12 0	6 4 0	7 8 0	.....	.....	.....
Rangpur ...	8 8 0	8 8 0	8 0 0	7 8 0	7 8 0	8 0 0	.....	.....	.....
Seraiganj (Pabna).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sarisabari (Mymensingh).	.....	.....	.....	.....	.....	.....	.....	.....	.....
Narayanganj (Dacca).	.....	.....	.....	.....	.....	.....	.....	.....	.....

(n) Not reported.

(a) Not available.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the second-half of August 1922.

Marts	JUTE.			GHEE.			HIDE (COW)*		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	38	39	40	41	42	43	44	45	46
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	{ (1) 15 8 0 (2) 14 8 0 (3) 11 12 0 }	{ (1) 16 0 0 (2) 15 0 0 (3) 13 4 0 }	{ (1) 13 8 0 (2) 12 8 0 (3) 9 11 0 }	100 0 0	90 0 0	80 0 0	365 0 0*	360 0 0*	500 0 0*
Burdwan	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raniganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chittagong	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dacca	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pabna	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangpur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Serajganj (Pabna).	{ 10 0 0 to 15 0 0 }	{ 11 12 0 to 13 12 0 }	{ 4 8 0 to 7 8 0 }	.....	.....	.....	.....	.....	.....
Sarisabari (Mymensingh).	{ 14 0 0 to 18 0 0 }	{ 14 0 0 to 18 0 0 }	{ 6 8 0 to 9 8 0 }	.....	.....	.....	.....	.....	.....
Narayanangj (Dacca).	{ 8 0 0 to 14 0 0 }	{ 8 12 0 to 12 12 6 }	{ 7 0 0 to 9 0 0 }	.....	.....	.....	.....	.....	.....

(1) "Price of jat fours."
(2) "Price of district fours."
(3) "Weighted average price."

Marts	IRON.			SALT.			KEROSENE OIL.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	47	48	49	50	51	52	53	54	55
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	(n)	(n)	10 0 0	(n)	244 0 0	3 6 0 (b)	Swan (b) 5 14 0 Rising sun. 7 5 0 Elephant. 7 7 0	Swan 5 14 0 Rising sun 7 5 0 Elephant. 7 7 0	4 0 0
Burdwan
Rangpur
Midnapore
Chittagong
Dacca
Pabna
Raniganj
Serajganj (Pabna).
Sarisabari (Mymensingh)
Narayanangj (Dacca).

(a) Per 100.

(n) Not reported.

(b) Per maund.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the second-half of August 1922.

Marts.	MUSTARD-OIL.			FIREWOOD.			COAL (BENGAL).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	55	57	58	59	60	61	62	63	64
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Calcutta ...	25 0 0	24 0 0	25 0 0	0 10 12 to 0 11 12	0 11 9	0 14 0	(n)	(n)	.....
Bardwan
Baniganj	0 5 0	0 4 6	0 6 0
Midnapore
Chittagong
Dacca
Pabna
Rangpur
Serajeauj (Pabna).
Sarisabari (Mymensingh).
Narayanganj (Dacca).

(n) Not reported.

J. GHOSH,
for Director of Agriculture, Bengal.

DACCA, the 6th September 1922.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the second-half of August 1922.

Division.	Number.	DISTRICTS AND PARTS.	QUANTITY PER RUPEE IN SEERS OF EIGHTY TOLAS.														
			COMMON RICE.						KALAI DAL (<i>Phaseolus radiatus</i>).			ARHAR (DAL) OR THUR CADJAN PEA (<i>Cajanus indicus</i>).			SALT.		
			Average.			Cheapest.											
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
PRESIDENCY.		24-PARGANAS.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
	1	Obetha Hat ...	5 8	5 0	4 9	6 0	6 0	6 0	4 8	4 8	5 0	4 0	4 0	4 0	10 0	10 0	11 0
	2	Maqra Hat ...	5 11	5 11	5 0	6 2	5 14	5 6	(a)	(a)	(a)	4 0	4 0	4 1	12 5	12 0	12 8
	3	Calcutta-Bellaghata ...	4 11	4 11	4 14	7 0	7 0	7 6	6 2	6 2	6 2	4 7	4 7	4 11	10 10 ^a	10 10	10 0
		NADIA.															
	4	Goari ...	6 7	6 4	5 14	6 2	6 6	6 6	4 0	4 0	4 0	4 0	3 9	4 11	10 11	10 11	13 4 ^a
	5	Ranachhat ...	5 8	5 8	5 0	5 12	5 12	6 0	4 8	4 8	5 0	4 0	4 0	4 0	10 8	10 8	10 8 ^a
		MURSHIDABAD.															
	6	Berhampore ...	6 4	6 4	5 0	6 12	7 12	5 4	6 0	6 0	5 4	6 0	6 0	5 4	13 0	13 0	13 0 ^a
	7	Kandi ...	7 8	7 0	5 3	7 12	7 4	5 12	5 8	5 0	6 0	5 0	5 0	4 10	12 0	12 0	13 8
	8	Jangipur ...	6 8	6 8	5 4	6 12	6 12	5 8	4 4	4 4	4 8	5 0	5 0	5 0	13 0	13 0	14 0
		JESSORE.															
	9	Sadar ...	6 0	6 0	5 8	6 8	6 6	6 12	4 0	3 4	4 0	3 12	3 4	3 4	11 0	13 0	12 8 ^a
	10	Bangaon ...	5 12	5 8	5 8	6 12	6 10	6 6	3 3	3 3	3 3	4 0	4 0	4 0	10 10	10 10	11 10 ^a
	KHULNA.																
11	Sadar ...	6 0	6 8	6 12	7 0	7 8	6 12	4 8	5 0	4 0	4 8	4 0	3 12	10 8	8 0	10 8	
12	Bagerhat ...	5 5	6 15	7 0	7 8	7 12	7 8	5 8	5 8	5 0	3 8	3 8	3 8	10 0	8 0	10 0	
	BURDWAN.																
13	Sadar ...	6 8	6 2	5 0	7 8	6 12	5 8	4 12	5 0	5 8	5 0	4 6	4 12	13 0	12 0	11 8	
14	Kalna ...	6 6	5 11	5 6	6 10	6 6	5 8	5 0	5 0	6 2	4 5	4 7	4 0	15 9	15 9	10 4	
	BIRBHUM.																
15	Suri ...	6 6	6 6	5 0	7 0	7 0	5 8 ^a	6 0	6 0	4 8	4 0	4 0	4 0	13 0	13 0	13 0 ^a	
16	Rampur Hat ...	6 12	6 4	5 0	7 0	6 8	5 2	5 8	5 0	5 0	4 4	4 8	4 0	11 0	11 0	10 0	
	BANKURA.																
17	Sadar ...	6 12	6 4	5 10	7 6	7 0	6 0	6 4	6 4	5 0	4 0	4 0	4 0	11 0	11 0	12 0	
	Vishnupur ...	6 6	6 4	5 0	7 0	6 8	5 8	6 4	6 0	5 4	4 8	4 8	4 8	12 8	13 0	11 0	
	MIDNAPORE.																
18	Sadar ...	6 14	6 14	5 11	7 14	7 14	6 0	4 4	4 4	5 0	3 8	3 8	3 12	10 8	10 8	9 0	
19	Coutal ...	7 8	7 0	6 0	8 0	7 8	6 8	4 8	5 0	3 8	4 0	4 0	3 12	12 8	12 8	10 8	
	HOOCHLY.																
21	Sadar ...	5 12	5 12	5 0	6 6	6 4	5 8	5 4	5 4	4 8	5 4	5 0	4 8	13 0 ^a	12 8	11 4	
22	Arambagh ...	8 6	8 4	5 8	6 12	6 12	5 11	3 12	3 8	7 0	3 6	3 7	3 8	12 8	12 0	10 8	
	HOWRAH.																
23	Sadar ...	5 4	5 0	5 0	6 8	6 8	6 2	5 8	6 8	4 8	5 0	5 0	4 0	14 0	14 0	12 0	
24	Uluberia ...	5 2	5 8	5 2	6 0	6 0	5 8	5 4	5 4	5 10	4 4	4 4	4 0	12 12	12 12	12 12	
	RAJSHAH.																
25	Rampur-Boalia ...	6 4	6 0	5 4	7 2	6 12	6 12	5 4	5 4	6 0	4 14	4 14	3 6	10 12	12 0 ^a	12 0 ^a	
26	Nator ...	6 0	5 13	5 5	6 12	6 6	6 0	4 14	4 14	5 8	4 14	4 14	5 8	9 12 ^a	9 12 ^a	9 12	
27	Dinaipur—Railway Bazar Hat.	8 14	6 14	5 11	7 3	7 3	6 0	4 12	4 12	4 13	3 9	3 9	4 13	10 0	10 0	10 0	
28	Jaipalguri—Sadar ...	6 12	7 0	4 8	7 8	8 0	5 12	6 0	5 12	5 8	4 0	4 8	4 0	10 0 ^a	10 0 ^a	9 8	

* Karkuch.

(a) Not available.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the second-half of August 1922.

Division.	Number.	DISTRICTS AND MANTS.	QUANTITY PER RUPEE IN SEERS OF EIGHTY TOLAS.														
			COMMON RICE.						KALAI DAL (<i>Phaseolus radiatus</i>).			ARHAR (DAL) OR THUR CADJAN PEA (<i>Cajanus indicus</i>).			SALT.		
			Average.			Cheapest.			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
RAJSHAHI—contd.		DARJEELING.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
	29	Sadar	5 8	5 12	3 12	6 8	6 8	4 12	3 4	3 4	3 8	2 12	2 12	3 4	8 0	6 8	7 0
	30	Siliguri	5 0	5 0	4 8	6 0	7 0	4 8	4 0	4 0	4 0	4 0	4 0	4 0	8 0	8 0	8 0
		RANGPUR.															
	31	Sadar	6 8	6 8	4 8	7 12	7 12	5 4	4 8	4 8	4 8	4 8	4 8	4 8	8 0	8 0	8 0
	32	Nilphamari	6 10	6 10	6 0	(a)	(a)	8 0	3 8	3 8	4 4	3 8	3 8	4 4	10 0	10 0	10 0
	33	Bogra—Sadar	6 12	6 12	5 13	6 15	6 15	6 0	4 0	4 0	4 0	4 0	4 0	4 0	10 0 ^b	10 0 ^b	9 12
		PABNA.															
	34	Sadar	6 0	5 12	5 4	6 2	6 0	6 8	5 8	5 8	5 0	3 8	3 8	3 8	6 8	6 8	12 0 ^b
	35	Sirajganj	6 7	6 4	6 0	7 7	7 5	6 8	6 0	6 0	5 12	3 7	3 7	4 8	9 9	10 0 ^b	9 0
DACCA.		MALDA.															
	36	Sadar	6 8	5 8	5 8	7 8	7 0	5 12	5 0	5 0	6 0	5 0	5 0	4 0	11 0	10 0	13 0 ^b
	37	Balla—Nawabganj	7 6	6 9	6 0	7 12	7 4	6 4	7 0	6 8	6 8	5 12	5 12	4 8	11 0	11 8	13 0 ^b
		DACCA.															
	38	Sadar	6 8	6 0	6 12	7 0	6 8	7 4	8 0	8 0	9 2	4 0	4 0	4 6	10 8	10 8	10 8
	39	Munshir Hat	6 8	6 0	6 8	7 0	6 8	7 4	(a)	(a)	(a)	(a)	(a)	(a)	13 0	13 0	11 0
		MYMENSINGH.															
	40	Nasirabad	6 4	6 12	5 0	7 0	7 0	5 8	4 8	3 10	4 0	5 0	5 0	4 0	12 0	11 12	9 0
	41	Netrakona	6 4	6 4	6 4	6 10	6 10	6 8	4 0	4 0	4 0	4 0	4 0	4 0	11 4	11 4	9 0
		FARIDPUR.															
CHITTAGONG.	42	Sadar	6 0	5 12	6 8	6 12	6 4	6 12	5 12	6 0	4 0	3 4	3 4	3 4	9 0	9 0	11 4
	43	Rajbari	6 0	5 12	5 12	6 4	6 0	6 4	5 0	5 0	5 8	4 0	4 0	3 8	11 0	11 0	11 6
		BAKARGANJ.															
	44	Barisal	5 11	5 13	6 1	6 3	6 6	6 11 ^(b)	8 0	5 5	9 0	4 0	3 9	3 3	10 10	9 2	10 8
	45	Pirojpur	5 6	5 6	5 12	7 4	6 4	6 0	6 4	6 4	5 8	(a)	(a)	(a)	8 0	8 0	10 0
		TIPPERA.															
	46	Comilla	5 8	5 8	5 11	5 15	5 15	6 3	(a)	(a)	5 0	4 0	4 0	3 8	11 8	11 8	12 12
	47	Chandpur	6 0	5 12	5 14	8 8	6 4	9 12	5 12	5 0	5 6	4 4	4 0	3 10	10 0 ^b	10 0	12 8
		NOAKHALL.															
	48	Kalitara Hat	5 8	5 4	6 4	6 8	5 8	7 0	7 8	7 8	7 0	3 8	3 8	(c)	11 0	11 0	11 0
CHITTAGONG.	49	Feni Hat	6 0	6 0	6 10	9 7	6 3	7 0	3 8	3 8	4 0	(c)	(c)	(c)	8 0 ^b	8 0 ^b	10 8
		CHITTAGONG.															
	50	Sadar	6 0	5 0	6 4	6 8	6 0	6 12	5 0	4 8	6 4	3 12	3 12	4 0	13 0	13 0	12 8
	51	Cox's Bazar	6 0	6 0	6 0	(n)	(n)	(c)	4 0	4 0	3 8	3 8	3 8	3 8	10 8	10 8	9 8
	52	Chittagong Hill Tracts—Rangamati.	5 8	5 8	6 0	7 0	6 8	7 8	3 0	3 0	2 10	3 0	3 0	2 10	10 8	10 8	10 8

(a) Not available.

(c) No sale.

(n) Not reported.

* Karkach.

(d) *Ans.*J. GHOSH, for *Director of Agriculture, Bengal.*

DACCA, the 6th September 1922.

Statement of weekly gauge-readings on the river Ganges at Rampur-Boalia for the week ending 2nd September 1922.

Date.	Hour.	Height of surface above zero.	Height of surface above P. W. D. datum.	Height of surface above P. W. D. datum on the same date last year.	Remarks.
1922.					
27th August	... 8 A.M.	59.85	59.85	60.60	P. W. D. datum 6.25 ft. above Kidderpore old dock sill. B. M. on College step 64.93 Zero value of gauge 0.00.
28th "	... 8 "	59.95	59.95	60.60	
29th "	... 8 "	60.20	60.20	60.60	
30th "	... 8 "	60.25	60.25	60.60	
31st "	... 8 "	60.35	60.35	60.60	
1st September	... 8 "	60.50	60.50	60.55	
2nd "	... 8 "	60.65	60.65	60.70	

		Old value.		According to P. W. D. datum.
The previous year	... Highest water-level	...	on 7th September 1921	...
Ditto	... Lowest	...	on 27th and 28th April and 9th May 1922	60.80
Record	... Highest	...	69.25 on 26th August 1879	34.70
Do.	... Ditto	...	69.08 on 9th September 1885	64.44
Do.	... Ditto	...	68.80 on 25th August 1906	64.27
Do.	... Ditto	...	68.21 on 26th August 1890	63.47
Do.	... Lowest	...	37.65 on 25th April 1884	63.40
Do.	... Ditto	...	38.13 on 14th and 15th April 1883	32.82
Do.	... Ditto	...	39.02 on 21st and 22nd April 1897	33.32
Do.	... Ditto	...	39.28 on 6th and 7th May 1908	34.21
				34.47

N.B.—The gauge-readings commenced from the 1st August 1887.

JADAB CHANDRA GHOSH, for *Subdivisional Officer*,
BOALIA, the 2nd September 1922. I. D., Jangipur.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 2nd September 1922.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1922.					
27th August	... 7 A.M.	23.8	23.8	24.2	Zero is placed at mean sea-level. The bench-mark for the gauge is on a pucca pillar between the passenger ghat and Chandpore ghat. Its reduced level is 26.84.
28th "	... 7 "	23.9	23.9	24.1	
29th "	... 7 "	23.9	23.9	24.0	
30th "	... 7 "	23.8	23.8	24.1	
31st "	... 7 "	23.8	23.8	24.1	
1st September	... 7 "	23.7	23.7	24.1	
2nd "	... 7 "	23.7	23.7	24.2	

The previous year	... Highest water-level	...	25.8 on 27th July 1921.
Ditto	... Lowest	...	4.3 on 19th February and 4th March 1921.
Record (H. F. in Brahmaputra and Ganges)	... Highest	...	25.75 on 28th August 1906.
Record (average flood in Brahmaputra and Ganges)	... Ditto	...	25.74 on 20th and 21st August 1893.
Record (H. F. in Brahmaputra and Ganges)	... Ditto	...	25.66 on 11th to 17th and 31st August 1889 and on 1st to 3rd September 1889.
Record (H. F. in Brahmaputra only)	... Ditto	...	25.66 on 31st July 1900.
Record	... Lowest	...	1.0 on 8th February 1914.
Do.	... Ditto	...	2.42 on 18th March 1908.
Do.	... Ditto	...	2.91 on 21st to 24th February 1884 and 8th to 9th March 1884.
Do.	... Ditto	...	3.16 on 9th to 11th March 1885.
Do.	... Ditto	...	3.16 on 16th, 17th and 29th to 31st March 1901

N.B.—The gauge-readings commenced from 3rd October 1909.

R. C. GUHA, for *Subdivisional Officer*,
RAJBARI, the 2nd September 1922. P. W. D., Faridpore.

**Statement showing the gauge readings at Dacca Water-works station on the river
Buriganga for the week ending 26th August 1922.**

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 5 P.M.	REMARKS.
		Time.	Readings.	Time.	Readings.		
1922.							
20th Aug.	67.65	...	...	...	...	67.7	
21st "	67.65	...	...	...	...	67.65	
22nd "	67.6	...	...	...	...	67.6	
23rd "	67.55	...	...	...	...	67.5	
24th "	67.5	...	...	...	...	67.5	
25th "	67.4	...	...	...	...	67.4	
26th "	67.45	...	...	...	...	67.45	

Notable high and low water-levels of previous years.

					High.	
Date.	Year.	Time.	Readings.			
27th August	1906	70.5	} Taken at high tide.
5th September	1909	...	...	...	67.86
10th August	1910	...	...	...	69.86
1st "	1911	...	...	...	68.46
13th "	1912	...	...	...	67.16
31st "	1915	...	...	...	69.7
18th "	1916	...	...	...	68.1
12th "	1917	...	...	...	67.1
31st "	1918	...	...	...	69.12
2nd "	1919	...	...	...	66.8
8th September	1920	...	...	...	66.9
28th July	1921	...	...	...	68.4
					Low.	} Taken at low tide.
23rd February	1907	...	...	...	51.06
13th "	1908	...	...	...	51.06
12th March	1912	...	...	...	51.06
6th "	1914	...	...	...	50.60
22nd February	1915	...	...	...	50.30
15th "	1916	...	...	...	50.60
3rd March	1917	...	...	...	51.0
21st February	1918	...	...	...	51.40
26th "	1919	...	...	...	50.4
18th "	1920	...	...	...	50.9
19th "	1921	...	...	...	50.9

N.B.—Zero of the gauge at Dacca Water-works = - 48.51 with reference to P. W. D. datum.

CALCUTTA, the 8th September 1922.

B. L. SUBARWAL, *Executive Engineer,*
Khulna Division.

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 7th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	1st Sept. 1922	6 A.M. ...	125.60'	0.00'	125.60'	Steady		125.30'	116.40'	
	1st "	6 " ...	26.60'	56.319'	82.919'	0.10'	...	82.369'	75.119'	
	1st "	8 hours ...	23.70'	4.896'	28.596'	...	0.10'	28.996'	26.996'	
Brahmaputra	1st "	8 A.M. ...	23.10'	135.18'	158.28'	...	0.40'	159.58'	160.58'	
	1st "	12 hours ...	39.00'	1.509'	40.509'	...	0.20'	41.809'	42.809'	
	1st "	8 A.M. ...	19.40'	314.18'	333.58'	0.30'	...	330.78'	331.98'	
Meghna	1st "	6 hours ...	19.42'	1.61'	21.03'	...	0.08'	20.61'	20.44'	
	1st "	14 " ...	12.17'	1.61'	13.78'	...	0.17'	13.86'	14.61'	
	1st "	7 " ...	30.00'	1.509'	31.509'	0.10'	...	29.309'	31.609'	
Dhaleswari	1st "	7 A.M. ...	29.60'	- 8.62'	20.98'	...	0.10'	19.98'	20.58'	
Bhagirathi	1st "	6 " ...	26.64'	1.509'	28.149'	...	0.05'	29.579'	18.089'	
Damodar	1st "	6 " ...	9.92'	92.58'	102.50'	...	1.58'	103.08'	97.16'	
Lakhya	1st "	6.30 " ...	23.71'	- 5.59'	18.12'	...	0.17'	17.58'	17.95'	
Madaripur Bil Route (Lower Kumar).	1st "	6 " ...	15.10'	- 0.599'	14.501'	...	0.20'	13.151'	12.651'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 7th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	2nd Sept. 1922	6 A.M. ...	125.90'	0.00'	125.90'	0.30'	...	125.50'	117.30'	
	2nd " "	6 " "	26.90'	56.319'	83.219'	0.30'	...	82.419'	75.819'	
	2nd " "	8 hours ...	23.70'	4.896'	28.596'	Steady		29.096'	26.896'	
Brahmaputra ...	2nd " "	8 A.M. ...	23.40'	135.18'	158.58'	0.30'	...	159.38'	160.38'	
	2nd " "	12 hours ...	38.95'	1.509'	40.459'	...	0.05'	41.909'	42.709'	
	2nd " "	10 A.M. ...	19.00'	314.18'	333.18'	...	0.40'	330.58'	332.88'	
Meghna ...	2nd " "	6 hours	19.33'	1.61'	20.94'	...	0.08'	20.61'	20.53'	
	2nd " "	15-30 "	12.25'	1.61'	13.86'	0.08'	..	14.11'	14.61'	
	2nd " "	7 " "	30.10'	1.509'	31.609'	0.10'	...	29.309'	...	
Dhaleswari ...	2nd " "	7 A.M. ...	29.50'	- 8.62'	20.88'	...	0.10'	20.08'	20.58'	
Bhagirathi ...	2nd " "	6 " "	26.63'	1.509'	28.139'	...	0.01'	29.709'	17.629'	
Damodar ...	2nd " "	6 " "	8.58'	92.58'	101.16'	...	1.33'	102.75'	97.58'	
Lakhya ..	2nd " "	6-30 " "	23.58'	- 5.59'	17.99'	...	0.12'	17.80'	17.95'	
Madaripur Bil Route (Lower Kumar).	2nd " "	6 " "	14.90'	- 0.599'	14.301'	...	0.20'	13.201'	12.701'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 7th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAYS HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges	Monghyr ...	3rd Sept. 1922...	6 A.M. ...	126.00'	0.00'	126.00'	...	0.10'	118.00'	
	Rajmahal ...	3rd " "	6 " "	27.10'	56.319'	83.419'	...	0.20'	76.469'	
	Goalundo ...	3rd " "	8 hours ...	23.70'	4.896'	28.596'	Steady	29.196'	26.796'	
Brahmaputra	Gauhati ...	3rd " "	8 A.M. ...	23.60'	135.18'	158.78'	...	0.20'	160.98'	
	Sirajganj ...	3rd " "	12 hours ...	38.85'	1.509'	40.359'	0.10'	42.009'	42.509'	
	Dibrugarh ...	3rd " "	10 A.M. ...	19.20'	314.18'	333.38'	...	0.20'	330.48'	
	Bhairab Bazar ...	3rd " "	6 hours ...	19.33'	1.61'	20.94'	Steady	20.69'	20.65'	
Meghna	Chandpur ...	3rd " "	16-25 "	12.67'	1.61'	14.28'	...	0.42'	14.36'	
	Fenchuganj ...	3rd " "	7 "	30.10'	1.509'	31.609'	Steady	29.309'	31.509'	
Dhaleswari	Sabhar ...	3rd " "	7 A.M. ...	29.40'	- 8.62'	20.78'	0.10'	20.28'	20.58'	
Bhagirathi	Swarupganj ...	3rd " "	6 " "	26.62'	1.509'	28.129'	0.01'	29.809'	17.519'	
Damodar	Edilpur ...	3rd " "	6 " "	10.67'	92.58'	103.25'	...	2.08'	103.25'	
Lakhya	Narayanganj ...	3rd " "	6-30 "	23.64'	- 5.59'	18.05'	...	0.06'	17.91'	
Madaripur Bil Route (Lower Kumar).	Takerhat ...	3rd " "	6 " "	14.80'	- 0.599'	14.201'	0.10'	13.301'	12.651'	

**Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday,
the 7th September 1922.**

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	4th Sept. 1922	6 A.M.	126.20'	0.00'	126.20'	0.20'	...	125.90'	118.50'	
	4th " "	6 " "	27.30'	56.319'	83.619'	0.20'	...	82.669'	77.069'	
	4th " "	8 hours	23.80'	4.896'	28.696'	0.10'	...	29.296'	26.996'	
Brahmaputra	4th " "	8 A.M.	23.50'	135.18'	158.68'	...	0.10'	158.38'	160.98'	
	4th " "	12 hours	38.80'	1.509'	40.309'	...	0.05'	42.009'	42.309'	
	4th " "	12 A.M.	19.20'	314.18'	333.38'	Steady		329.98'	332.48'	
Meghna ..	4th " "	6 hours	19.33'	1.61'	20.94'	Steady		20.86'	20.78'	
	4th " "	17-10 "	13.00'	1.61'	14.61'	0.33'	...	14.86'	14.19'	
	4th " "			1.509'				29.309'	31.459'	
Dhaleswari	4th Sept. 1922	7 A.M.	29.40'	- 8.62'	20.78'	Steady		20.28'	20.48'	
Bhagirathi	4th " "	6 " "	26.61'	1.509'	28.119'	...	0.01'	29.829'	17.949'	
Damodar	4th " "	6 " "	7.75'	92.58'	100.33'	...	0.92'	100.58'	101.00'	
Lakhya	4th " "	6-30,	23.77'	- 5.59'	18.18'	0.12'	...	18.28'	17.83'	
Madaripur Bil Ronte (Lower Kumar).	4th " "	6 " "	14.75'	- 0.599'	14.151'	...	0.05'	13.501'	12.651'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, .
the 7th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1922.	
Ganges ...	6th Sept. 1922	6 A.M.	...	126.50'	0.00'	126.50'	...	125.40'	118.20'	
	6th "	6 "	...	27.60'	56.319'	83.919'	...	82.719'	77.519'	
	6th "	8 hours	...	23.70'	4.896'	28.596'	...	29.496'	26.796'	
Brahmaputra	6th "	8 A.M.	...	23.10'	135.18'	158.28'	...	157.68'	161.08'	
	6th "	12 hours	...	38.75'	1.509'	40.259'	Steady	41.509'	42.009'	
	6th "	9 A.M.	...	18.60'	314.18'	332.78'	...	329.88'	331.38'	
Meghna	6th "	6 hours	...	19.33'	1.61'	20.94'	Steady	20.94'	20.82'	
	6th "	8 "	...	12.75'	1.61'	14.36'	...	15.36'	13.36'	
	6th "	7 "	...	30.50'	1.509'	32.009'	...	29.459'	31.309'	
Dhaleswari	6th "	7 A.M.	...	29.40'	- 8.62'	20.78'	Steady	20.28'	20.18'	
Blagirathi	6th "	6 "	...	26.59'	1.509'	28.009'	...	29.609'	19.489'	
Damodar	6th "	6 "	...	10.75'	92.58'	103.33'	...	100.83'	98.41'	
Lakhya ...	6th "	6-30 "	...	23.83'	- 5.59'	18.24'	...	18.41'	17.41'	
Madaripur Bil Route (Lower Kumar).	6th "	6 "	...	14.85'	- 0.599'	14.251'	Steady	13.901'	12.501'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday,
the 7th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	Monghyr ...	7th Sept. 1922...	126.60'	0.00'	126.60'	0.10'	...	124.80'	118.00'	
	Rajmahal ...	7th " " "	27.60'	56.319'	83.919'	Steady	Steady	82.469'	77.319'	
	Goalundo ...	7th " " "	23.70'	4.896'	28.596'	Steady	Steady	29.396'	26.696'	
Brahmaputra	Gauhati ...	7th " " "	23.30'	135.18'	158.48'	0.20'	...	156.68'	160.78'	
	Sirajganj ...	7th " " "	38.80'	1.509'	40.309'	0.05'	...	41.309'	41.909'	
	Dibrugarh ...	7th " " "	18.50'	314.18'	332.68'	...	0.10'	329.98'	331.08'	
Meghna ...	Bhairab Bazar ...	7th " " "	19.42'	1.61'	21.03'	0.08'	...	20.94'	20.78'	
	Chandpur ...	7th " " "	12.75'	1.61'	14.36'	Steady	Steady	15.11'	13.36'	
	Fenchuganj ...	7th " " "	30.55'	1.509'	32.059'	0.05'	...	29.309'	31.159'	
Dhaleswari	Sabbhar ...	7th " " "	29.40'	- 8.62'	20.78'	Steady	Steady	20.28'	19.98'	
Bhagirathi	Swarupganj ...	7th " " "	26.71'	1.509'	28.219'	0.12'	...	29.479'	19.809'	
Damodar	Edilpur ...	7th " " "	12.00'	92.58'	104.58'	1.25'	...	101.08'	98.38'	
Lakhya ...	Narayanganj	7th " " "	23.83'	- 5.59'	18.24'	Steady	Steady	18.41'	17.24'	
Madaripur Bil Route (Lower Kumar).	Takerhat ...	7th " " "	14.85'	- 0.599'	14.251'	Steady	Steady	13.901'	12.401'	

CORPORATION OF CALCUTTA.

Statement showing the accounts of the Sinking Funds and the Reserve Fund of the Corporation of Calcutta for the year 1921-22 prepared under section 141.D of the Calcutta Municipal (Loans) Act, 1914.

Particulars.	Amount invested during the year under section 141 A.	Date of the last investment made previous to 31st March 1922.		Aggregate amount of the securities in the hands of the Corporation on 31st March 1922.*	Aggregate amount up to 31st March 1922 applied under section 141 C in or towards repaying Loans.
	Rs.	1922.		Rs.	Rs.
1. Sinking Fund established under section 138 of the Calcutta Municipal (Loans) Act, 1914.	9,91,315	11th March	...	40,25,000	75,74,680
2. Sinking Fund for repayment of 4 per cent. Calcutta Municipal Debenture Loan of 1914-15.	69,934	29th	"	4,62,000	.....
3. Sinking Fund for repayment of 4 per cent. Calcutta Municipal Debenture Loan of 1915-16.	94,935	11th	"	5,96,600	.....
4. Sinking Fund for repayment of 4 per cent. Calcutta Municipal Debenture Loan of 1916-17.	84,682	11th	"	4,82,000	.....
5. Sinking Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loan of 1917-18 for 17 years.	36,870	11th	"	1,44,100	.....
6. Sinking Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loan of 1917-18 for 28 years.	45,340	11th	"	1,77,200	.....
7. Sinking Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loan of 1918-19.	29,980	9th February	...	76,800	.....
8. Sinking Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loan of 1919-20, dated 1st July 1919.	14,205	11th March	...	30,900	.....
9. Sinking Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loan of 1919-20, dated 1st January 1920 for 17 years.	36,700	29th	"	69,700	.....
10. Sinking Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loan of 1919-20, dated 1st January 1920 for 30 years.	32,300	9th February	...	61,500	.....
11. Sinking Fund for repayment of 6½ per cent. Calcutta Municipal Debenture Loan of 1920-21, dated 1st October 1920.	37,040	11th March	...	37,400	.....
12. Sinking Fund for repayment of 6½ per cent. Calcutta Municipal Debenture Loan of 1920-21, dated 1st December 1920.	67,730	29th	"	78,100	.....
13. Sinking Fund for repayment of 6½ per cent. Calcutta Municipal Debenture Loan of 1921-22, dated 1st April 1921.	9,000	1st October	...	9,000	.....
14. Reserve Fund for repayment of 5½ per cent. Calcutta Municipal Debenture Loans of 1917-18 at the end of first ten years.	2,03,154	29th March	...	7,90,400	.....
Total	...	17,53,185		70,40,700	75,74,680

* The security has been kept in custody of the Imperial Bank of India, Calcutta.

W. H. ROGERS FORD,
Chief Accountant.

S. N. MALLIK,
Acting Chairman, Calcutta Corporation.

The 17th July 1922.

NOTICE.

NOTICE is hereby given that the General Committee, having previously given notice of their intention to define the general line of buildings on each side of the public street known as Pathuriaghata Street in ward No. 5 and no objection having been received within thirty days from the date of the publication of such notice, made an order under section 350 (4) of Act III (B.C.) of 1899 on the 24th day of August 1922 defining the said line in accordance with the plan approved by the General Committee on the 11th day of May 1922.

S. N. MALLIK, Chairman (actg.).

CENTRAL MUNICIPAL OFFICE, the 7th September 1922.

Vital Statistics of Towns with a population of 50,000 and over of Bengal Presidency for the week ending Saturday, the 28th January 1922.

District.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1921.			BIRTHS REGISTERED.		DEATHS REGISTERED.																	Total of all causes.			Total of corresponding week of the previous year.		Total.		
			Male.	Female.	Total.	Number registered (excluding still-births).	Still-born number registered.	Cholera.	Small-pox.	Plague.	Malaria.	Enteric fever.	Measles.	Relapsing fever.	Kala-azar.	Other fevers.	Dysentery.	Diarrhoea.	Influenza.	Pneumonia.	Phthisis.	Other respiratory diseases.	Injuries.	Deaths from child-birth.	Other causes.	Male.	Female.	Total.				
Calcutta	1	Calcutta	617,590	290,261	907,851	389	22	21	14	...	19	4	...	...	3	36	45	9	16	42	32	82	12	4	201	290	250	540	512	323	865
Burdwan	2	Asansol Mining Settlement.	176,814	152,529	329,353	147	2	2	...	...	...	...	...	...	...	13	5	...	...	...	...	25	2	...	56	61	42	103	113	93	206
Howrah	3	Howrah	128,472	66,829	195,301	58	6	14	7	...	5	1	2	...	...	22	13	12	...	9	2	16	4	2	23	69	65	134	116	78	194
Dacca	4	Dacca	67,323	52,117	119,450	53	2	...	...	...	3	...	...	4	23	5	...	1	1	...	...	1	...	...	21	37	22	59	33	34	67
24 Parganas	5	Maniktala	40,996	26,376	67,372	25	1	2	...	...	2	...	...	...	...	1	2	3	1	3	1	6	1	...	7	19	10	29	22	26	46
24 Parganas	6	Bhatpara	45,723	19,856	65,609	10	...	2	1	...	1	1	2	4	10	5	15
24 Parganas	7	Cossipur-Chitpur.	36,289	20,156	56,474	14	...	1	...	...	...	...	...	...	...	...	...	...	1	2	6	...	...	...	13	12	11	23	22	10	32
24 Parganas	8	Itanagarh	36,533	15,918	52,451	11	11	6	11	8	19	22	15	37

CHAS. A. BENTLEY, Director of Public Health, Bengal.

CALCUTTA, the 30th August 1922.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 2nd September 1922, as compared with the corresponding week of the previous year.

Nature of cargo.	WEEK ENDING SATURDAY, THE 2ND SEPTEMBER 1922.			WEEK ENDING SATURDAY, THE 3RD SEPTEMBER 1921.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	249	40,200	597	238	38,185	665
Jute ...	31 ^e	24,475	213	54	22,349 [†]	259
Firewood ...	47	30,400	472	107	71,175	1,065
Other articles ...	1,042	311,000	2,874	724	179,759	1,945
Total ...	1,369	406,075	4,156	1,123	311,508	3,934
Empty boats and rafts ...	613	...	1,672	561	...	2,559
GRAND TOTAL ...	1,982	406,075	5,828	1,684	311,508	6,493

Mds.
* Weight by canal measurement ... 25,625
† Ditto ditto ... 25,675

T. C. BHATTACHARYA,
Assistant Secretary to the Government of Bengal.

CALCUTTA, the 8th September 1922.



The Calcutta Gazette

WEDNESDAY, SEPTEMBER 20, 1922.

SUPPLEMENT.

Official Papers.

[Non-Subscribers to the GAZETTE may receive SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]

CONTENTS.

	Page.		Page.
Annual Report of the Royal Botanic Garden and the Gardens in Calcutta and of the Lloyd Botanic Garden, Darjeeling, for 1921-22	1509—1511	Daily rainfall recorded in Benzal for the month of August 1922	1530—1533
Sixtieth annual report of the Government Cinchona Plantations and Factory in Bengal for the year 1921-22	1512—1515	Vital Statistics of the Towns of Bengal for the week ending 11th February 1922	1536
Preliminary Forecast of the <i>bhadol</i> crops of Bengal, 1922-23	1516—1524	Statement showing the daily gauge-readings on certain rivers for the week ending 14th September 1922	1537—1543
Weather and Crop Report for the week ending on the 13th September 1922	1525—1528	Statement of weekly gauge-readings on the rivers in Bengal	1544—1545
Vital Statistics of the Towns of Bengal for the week ending 4th February 1922	1529	Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 9th September 1922	1546

ANNUAL REPORT OF THE ROYAL BOTANIC GARDEN AND THE GARDENS IN CALCUTTA AND OF THE LLOYD BOTANIC GARDEN, DARJEELING, FOR 1921-22.

ROYAL BOTANIC GARDEN.

1. **General.**—Owing to the severe drought that prevailed during the latter half of the year under review many plants in the open suffered severely and a certain number have died. The rain that has since fallen will however prevent more casualties. During February and March, when the garden was at its driest, an unusual number of fires broke out, no doubt caused by unextinguished cigarette and match ends being carelessly thrown down by visitors on the very dry fallen leaves and herbage. One of the fires damaged several of the *Debdar* trees in the King Avenue, otherwise they were got safely under.

The roads in the garden generally are not in a very satisfactory condition from causes referred to in previous reports. Considerably more expenditure than the garden finances at present permit would be necessary to make the roads permanently fit to withstand the motor traffic that taxes them so heavily in these days.

During the year a length of over 370 feet of the river bank was revetted with bricks and concrete, bringing the total length so far embanked up to nearly a thousand feet west of the landing stage. Almost as much still remains to be done to complete the scheme of protection. The landing stage and pontoons were overhauled and repaired by the Public Works Department.

The contents of all the plant houses in the public part of the garden were overhauled during the rains and replanting done where necessary. Some thirty plants were planted out in the open, the majority of them being Indian species hitherto unrepresented in the garden.

The development of the economic garden remains in abeyance, owing to the paucity of staff.

The display of cold weather annuals and of orchids was about equal to the average of past years.

2. Plant and Seed Exchange.—Nearly 42,000 plants were distributed, of which over 15,000 were trees for roadside and other planting, and nearly 18,000 were shrubs sent out to Government Institutions, District Boards and Municipalities. The balance was made up of climbers, ferns and surplus annuals. Out of the total, over 31,000 were distributed within Bengal.

Over 1,500 plants were received, chiefly orchids. Over 300 packets and nearly 400 pounds of seeds were distributed, including over 300 pounds for the new capital at Delhi. About 160 packets of seeds were received, also two barrels of mahogany seed from Kew and a large quantity of palm seed from Mr. R. S. Lister of Pashok Tea Estate. The range of distribution of the seeds sent out was, as usual, practically worldwide.

3. Herbarium and Library.—Owing to the absence on leave of the permanent Curator for the greater part of the year, the effective scientific staff consisted only of two officers, Messrs. Debburman and Narayanswami, of the Botanical Survey Department. Over 2,000 specimens were added to the collection and nearly 8,000 sheets from previous collections were incorporated in the cabinets. The chief contributions were Malayan plants from the Botanic Gardens, Singapore, South Indian from Mr. C. E. C. Fischer, I.F.S., and Dr. Annandale, Director of the Zoological Survey of India, Western Indian from Mr. Bhalerao and Mr. Saxton, Burmese from Mr. A. Rodger, I.F.S.

Over 5,000 specimens were distributed mostly on loan to various botanists to assist in their researches.

4. Publications.—Distribution of Part II of Vol. XII of the Annals of the garden was begun during the latter half of the year and is now in progress.

5. Financial.—The revenue amounted to Rs. 4,811, mostly from rent of the foreshore for timber storage. There was a saving of Rs. 12,201 on the total allotment of Rs. 1,37,921, partly on establishment, partly on contingencies.

6. Staff.—The Superintendent and the Curator of the garden were in charge of their respective posts throughout the year. Mr. C. C. Calder was Curator of the Herbarium up to the 25th June 1921, when he went on leave, Mr. P. M. Debburman thereafter officiating to the end of the year. The duties of the Assistant Curator of the garden were performed in succession by Messrs. N. Mitra, A. Braybon, L. G. Richards and W. V. North. Mr. M. Jones was Overseer throughout the year and Mr. S. N. Basu from the 1st February 1922.

The two senior members of the clerical staff retired during the year, Babu D. N. Basu, the Head Clerk, on the 24th December 1921 after almost 44 years' service and Babu B. P. Banerjee, Second Clerk and from the 25th Dec-

ember Head Clerk, on the 11th February, after almost 39 years' service. Both officers have been faithful and willing servants of Government throughout their time. Babu S. K. Mitra was appointed Head Clerk from the 12th February 1922. All officers and the clerical staff have performed their duties satisfactorily.

CALCUTTA GARDENS.

Work in these gardens was conducted on the usual lines throughout the year. In addition the garden staff gave considerable assistance in laying out and planting the flower beds around the Victoria Memorial and in furnishing ornamental plants on the occasion of the visit of His Royal Highness the Prince of Wales. In the Dalhousie Square garden His Royal Highness was presented with an address by the Corporation of Calcutta on his arrival in the city.

The Assistant Curatorship of the Calcutta gardens, which has been vacant for several years, was filled by the appointment of Mr. N. Mitra on the 1st February 1922, Mr. S. N. Basu having officiated up to that date. The revenue was only Rs. 78, derived from fishing permits for the Dalhousie Square tank. The allotment of Rs. 34,082 was practically all expended.

LLYOD BOTANIC GARDEN, DARJEELING.

The drought which injuriously affected the gardens in the plains was no less pronounced in the hills and a considerable number of plants in the Lloyd Botanic Garden have been lost. The general appearance of the garden however has not suffered materially. During the year over 1,000 plants, over 2,200 seedlings, over 430 tubers and over 180 packets of seed were distributed. The number of visitors was almost 50,000. The allotment of Rs. 13,646 was expended in full.

Mr. W. V. North officiated as Curator until the return from leave of Mr. G. H. Cave, the permanent incumbent, on the 20th March 1922.

A. T. GAGE, LIEUT.-COL., I.M.S.,

Superintendent.

NOTIFICATION.

No. 8632Cin.—The 18th September 1922.—The following is published for general information.

M. C. MCALPIN,
Secretary to the Government of Bengal.

SIXTIETH ANNUAL REPORT
OF THE
GOVERNMENT CINCHONA PLANTATIONS AND FACTORY IN BENGAL
FOR THE YEAR
1921-22.

1. **General.**—The last six months of the year under review were characterised by great drought. From the end of September 1921 to the end of March 1922 only 2·86 inches of rain fell on Mungpoo plantation and scarcely any on Munsong, with the result that almost every stream had run dry before the end of the financial year and great difficulty was experienced in supplying water to the nurseries, gangs of coolies having to be employed to carry water from a distance. The factory had to cease working early in March from lack of water to drive the turbines and later on even the supply to the laboratory failed. On Munsong, where the normal rainfall is considerably less than on Mungpoo, the drought played havoc with the young plants planted out last year, and extensions there were under the circumstances out of the question.

On Mungpoo Mr. Osborne, the Manager, experimented with green manures and various species of shade plants, but definite conclusions cannot yet be formulated. An attempt was also made on a small scale to plant in the autumn, before the end of the rains, seedlings that had been sufficiently developed during the rains by transplanting from seed beds at once into field nurseries with the seedlings 4 inches by 4 inches apart. The extraordinary drought that followed of course completely annulled the experiment. The boring beetle and *Helopeltis* pests gave considerable trouble, but were countered by burning the affected wood, after denuding it of bark, in the one case, and by clean cultivation combined with handpicking in the other. The percentage of quinine in plantation bark continues to rise, especially in the Ledger bark. In actual factory working Mungpoo Ledger has, on the year's harvest, yielded an average of 5·53 per cent. of quinine sulphate. As the average yield of the Java bark worked up during the year on behalf of the Government of India is 5·73 per cent. Mungpoo Ledger lags little behind such Java bark. The average yield of Munsong Ledger was 4·86 of quinine sulphate. This at first sight compares unfavourably with the Mungpoo percentage, but it has to be borne in mind that the Munsong bark, being entirely from "coppiced" blocks, contains none of the richer root bark which is contained in the Mungpoo harvest. The mixture of root, stem and branch bark derived from a considerable number of trees uprooted, for purposes of block valuation, from 5 to 6 years old blocks, on Munsong, have yielded from 5 to 6 per cent. of quinine. There is therefore good reason to suppose that, when the coppiced areas are again harvested and the root bark then collected, the Munsong percentage will approximate to that of Mungpoo.

The quinine percentage of the hybrid bark of *Cinchona Ledgeriana* X *succirubra* varies from 3·81 to 3·91. This is a decided increase over the average percentage yielded in past years, but is still inferior to the Ledger yield. The hybrid has, so far, despite continuous seed selection for over the last dozen years, failed to respond to the degree hoped for as regards improvement in quinine percentage. To a certain extent it makes up for this by its more robust habit and somewhat greater yield of bark. Being a more robust plant than *C. Ledgeriana*, it can be cultivated in parts of the

plantations where pure Ledger would not be likely to hold out, and to that extent the hybrid is worth keeping in cultivation. The total acreage under the hybrid is about a ninth of the total acreage under Cinchona. In this connexion it may be of interest to note that on the Dutch Government plantations in Java this hybrid forms only about one-fortieth of the total number of cinchona trees in cultivation.

The general quinine situation is still controlled by the Dutch Combine. Although at the end of 1921 the wholesale rate fell from the equivalent of Rs. 48 to Rs. 36 per pound, it is still thrice the immediate pre-war rate. One result of the relatively high price of quinine has been to direct attention in various parts of the world to the possibility of introducing the cultivation of Cinchona. Applications for seed and information as to conditions and methods of cultivation have been received from such widely separated places as Kashmir, Rhodesia, Nyasaland and New Guinea, and seed and information have been supplied. Another result has been a great increase in the consumption of cinchona febrifuge. From 1875 to 1887 this was the sole product manufactured, reaching its greatest output in 1881-82, when nearly 11,000 lbs. were issued. Although the two Commissions appointed by Government in the sixties of last century to investigate the therapeutic values of the cinchona derivatives had concluded that cinchona febrifuge, which was then a mixture of the alkaloids of *Cinchona succirubra*, gave as good results as quinine in the treatment of malaria and had then the advantage of being vastly cheaper than quinine, yet popular opinion and the medical profession generally began latterly to entertain a prejudice against it or at least a preference for quinine. Quinine was also favoured by the steady fall in its price from over Rs. 160 in the seventies of last century to Rs. 8 per lb. in 1910, and by 1912-13 sales of cinchona febrifuge had fallen to almost 1,600 lbs. The Cinchona Department had to adjust itself to this change by cultivating less and less of *C. succirubra*, the source of the original cinchona febrifuge, and more and more of *C. Ledgeriana*, the quinine-yielding species. From 1903 the small demand that still existed for cinchona febrifuge was met by utilising the residue of mixed alkaloids, including a proportion of quinine, left after the extraction of quinine from *C. Ledgeriana*. A small acreage of *C. succirubra*, at present amounting almost to 90 acres, has however all along been kept in cultivation, so as to ensure the possibility of its cultivation being extended when the merits of its mixed alkaloids were rediscovered by the medical profession in general.

A good few years ago, when the relative merits of cinchona febrifuge and quinine were under discussion by the Government of India, the writer of this report advocated the extension of *Cinchona succirubra* as a source of an increased supply of cinchona febrifuge, not to supplant but to supplement the supply of quinine. The prejudice or preference already mentioned, however, was still too strong and no encouragement was forthcoming. There is now reason to suppose that the advocacy would meet with support, for the researches of Major H. W. Acton, I.M.S., into the chemistry and therapeutics of the cinchona derivatives go to show that in the milder attacks of malaria constituting a large proportion of cases, cinchona febrifuge is as efficacious as, if not more so than, quinine and confirm, on a much broader basis of investigation the views held on purely clinical experience by distinguished officers of the Indian Medical Service in the sixties and seventies of the last century. The average annual sale of cinchona febrifuge for the last five years is almost 14,190 lbs. or eight times as much as in 1912-13, and much in excess of the maximum ever issued when it was the sole factory product. It is impossible for the Cinchona Department to meet this demand merely by the by-products of the manufacture of quinine from *Cinchona Ledgeriana*. If the demand continues at the present rate or increases, it would be necessary to extend the cultivation of *C. succirubra*. This extension the Cinchona Department is prepared to undertake if the medical profession is likely to return to the use of cinchona febrifuge on a fairly extensive scale. It should however be remembered that Cinchona is not an annual crop and that the Cinchona Department does not possess a magic wand to wave over a few

hundred acres of land and make a forest of red bark trees spring up instantaneously.

2. **Extensions, Acreages and Crops.**—(1) *Mungpoo*.—Rainfall, confined to the first half of the year, was 113·38 inches. Extensions were 70 acres of *C. Ledgeriana*. The harvest was got by cutting out 29·5 acres (26·8 *C. Ledgeriana*, 2 *C. Ledger* × *succirubra*, 0·7 *C. succirubra*) and amounted to 180,502 lbs. The average age of the acreage cut out was 7 years, so that the total average yield per acre over that period is 6,118 lbs. This is the highest yield ever given by the Bengal plantations and considerably exceeds the highest estimate so far entertained for a period of even 10 years. At the end of March 1922 there were 851 acres with a full complement of Cinchona. Near Rungbee 60 acres that had been cleared of Cinchona were planted with mixed fuel and timber trees.

(b) *Munsong*.—Rainfall was only 85·83 inches, almost entirely confined to the first half of the year. Owing to the abnormal conditions already mentioned extensions were held in abeyance and work concentrated on filling in the large number of vacancies caused by the drought in the previous year's planting. The harvest was got by coppicing 261 acres and amounted to 394,560 lbs. of which 304,560 lbs. were *C. Ledgeriana*. The average age of the acreage cut out was 7 years, and the average yield per acre in terms of completely cut out acreages was 2,650 lbs. At the end of the year the total acreage under a full complement of Cinchona was 2,277 acres. About 48 acres of cleared land were planted with fuel and timber trees.

(c) **Plantations as a whole.**—The total area under cinchona is 3,128 acres, of which about two-thirds are under six years of age.

3. **Factory work.**—The factory used up 510,160 lbs. of bark (233,914 of *Mungpoo* and 276,246 of *Munsong*) and produced 22,713 lbs. quinine sulphate, 6,712 lbs. cinchona febrifuge, 17½ lbs. quinine hydrochloride and 4 lbs. cinchonidine sulphate or a total of 29,446½ lbs. In addition it produced from the Java bark purchased by the Government of India 21,541 lbs. quinine sulphate and 5,976 lbs. cinchona febrifuge. The total production of quinine sulphate, both provincial and imperial, was 44,254 lbs. and total products from all sources 56,963½ lbs. The yield of quinine sulphate is about equal to 91 per cent. of the bark contents as determined by analysis.

4. **Cost and value of plantation bark.**—The *Mungpoo* harvest of 180,502 lbs. at 3·6 annas per lb. cost Rs. 40,613. Its value on its average quinine percentage of 5·4 and a unit rate of 1·5 anna is Rs. 91,379. In other words, the value of the produce of 29½ acres cut out more than covers the entire expenditure during the year on the whole plantation of 851 acres of cinchona and over 3,000 acres of afforested land. The *Munsong* harvest of 394,560 lbs. at 2·7 annas per lb. cost Rs. 66,582. Its value on its average quinine percentage of 4·74 and unit rate as above is Rs. 1,75,332 which much more than covers the year's expenditure on the whole plantation. The total cost of the harvest was Rs. 1,07,195 and its value Rs. 2,66,711.

5. **Cost and value of quinine produced.**—(a) **Cost in the bark.**—The 22,713 lbs. of quinine extracted were contained in 510,160 lbs. of mixed *Mungpoo* and *Munsong* barks, which cost (233,914 lbs. at 3·6 annas and 276,246 at 2·7 annas per lb.) Rs. 99,247. The cost per lb. of quinine in the bark was therefore Rs. 4·36.

(b) **Cost of extraction, packing and delivery to railway.**—The gross charges are the total direct expenditure on the factory (Appendix D) plus its share of the general charges and depreciation for machinery and buildings, in all Rs. 1,23,689-8. From this have to be deducted Rs. 40,352-11, made up of Rs. 25,376, the cost of extracting 12,688 lbs. of cinchona febrifuge, both provincial and imperial, at Rs. 2 per lb. and Rs. 14,976-11, the cost of chemicals, oil and stores purchased during the year but not used up. Net charges are therefore Rs. 83,336-13, which cover the extraction of 44,254 lbs. of quinine, both provincial and imperial. The extraction rate is therefore rather less than, but taken at, Rs. 2 per lb. This is a big drop from Rs. 3·56, the cost last year, and is due to the much larger output of quinine in 1921-22.

(c) **Total cost per lb. and value.**—Total cost is Rs. 4·36 plus Rs. 2 or Rs. 6·36 per lb. At Rs. 36, the present wholesale rate, the 22,713 lbs. of provincial quinine manufactured is worth Rs. 8,17,668, but cost only Rs. 1,44,454.

6. **Sales and selling rates.**—The sales are shown in tabular form in Appendix G. In that table the total quantity of quinine does not include 37 lbs. issued direct from the factory to the plantation dispensaries and as samples. On the other hand, the quantity of cinchona febrifuge, 13,188 lbs. 8 oz. includes, in addition to the total output of the factory from provincial bark, 5,376½ lbs. extracted from Government of India bark and 1,100 lbs. purchased by the Public Health Department direct from the Madras Cinchona Department. Rates were for quinine Rs. 48 to Rs. 50 per lb. for the first eleven months of the year, thereafter Rs. 36 to Rs. 38 per lb. For cinchona febrifuge the rates were respectively Rs. 10 to Rs. 12 and Rs. 8 to Rs. 10 per lb. for the same periods. Quinine in tablet form was sold at the rate of Rs. 43½ per lb.

7. **Expenditure and receipts.**—The total expenditure on the department was Rs. 3,33,514-3. The total receipts, including Rs. 179-12 received direct, were Rs. 15,40,613-2-8, of which Rs. 5,88,848-8 were credit and Rs. 9,51,764-10-8 cash. Of the latter Rs. 2,60,244-7-6, being half the sum realised from the sale of quinine treatments, were credited to the Prisons Department, in accordance with the orders issued in 1918, to meet the charges incurred by the Prisons Department in connexion with the conversion of purified quinine into treatments and the distribution of the latter. In 1918-19 the Prisons Department was credited with Rs. 1,65,180-2 to meet charges in connexion with the conversion and distribution of 12,77½ lbs. 14 oz. purified quinine, which works out at almost Rs. 13 per lb. as against Rs. 6·85, the then cost of manufacture per lb. of the purified quinine. For 1921-22 the Prisons Department has been credited with Rs. 2,60,244-7-6 to meet charges in connexion with the conversion and distribution of 11,042 lbs. of pure quinine, which works out at Rs. 23½ per lb. as against Rs. 6·36 per lb. for manufacture of the same, including packing and distribution to the railway. Deducting this amount and crediting the Cinchona Department only with that proportion of the total receipts shown in Appendix B as receipts for the sale of cinchona febrifuge corresponding to the total amount manufactured during the year, the net receipts come out at Rs. 12,15,609-7-2 and the surplus at Rs. 8,12,095-4-2.

8. **Quinine reserve and stock account.**—The reserve had sunk at the end of the year to 28,538 lbs. 6 oz. In the stock account the mistake of including in the provincial stock cinchona febrifuge belonging to the Government of India, which originated with the closing balance of stock of this drug in the report for 1919-20, has been corrected. The total value of stock at the end of the year was Rs. 9,70,441-10-5, of which quinine worth at least Rs. 8,56,151-4 was the chief item.

9. **Block account.**—The cinchona trees were revalued at a rate lower by 25 per cent. than last year's rate to correspond with the reduction in the price of quinine. This has more than counterbalanced the bark increment of the year, so that the plantations are taken at last year's value less Rs. 74,894. See Appendix F for details.

10. **Profit and loss valuation.**—This is shown in Appendix E. There is a valuation profit balance of Rs. 5,13,691-0-3.

11. **Land rent.**—The rent collected from settlers on Mungpoo was Rs. 5,062-14 paid into the Darjeeling Treasury. The grazing fees collected on Munsong were Rs. 952-5-6 paid into the Kalimpong Sub-Treasury to the credit of the Forest Department.

12. **Staff.**—For the first time for a good number of years the staff of the department from near the end of the year has been almost at full strength. It would take up too much space to enumerate the entire staff and the various internal changes in postings. Sufficient to state that all the executive officers of both factory and plantations have worked with their customary praiseworthy goodwill and energy to which the prosperous condition of the department bears witness.

13. **Medicinal plants other than Cinchona.**—The number of *Ipecacuanha* plants has now increased to almost 113,000. It is proposed to begin the experimental extraction of Emetine during the coming year. The crop of *Digitalis* was 1,200 lbs. of dry leaf.

DEPARTMENT OF AGRICULTURE, BENGAL.

Preliminary Forecast of the Bhadoi Crops of Bengal, 1922-23.

[NOTE.—On an average of the five years ending 1920-21, the area under autumn rice in Bengal has represented some 6·4 per cent. of the total area under rice in British India.]

Character of the Season.—The long spell of drought, which prevailed from November last year to end of May this year, was unfavourable for preparatory tillage and for the sowing of the crops. As a result, the area under these crops has been much reduced especially in the eastern districts. The rainfall in April and May, though greatly defective, somewhat improved the situation and sowings proceeded briskly towards the end of May. The rainfall in June, was generally beneficial to the growth of the crops. In July, the rainfall was moderate except in North Bengal where the fall was generally heavy towards the latter part of the month. Consequently the rise of the rivers caused some damage to the ripe autumn paddy in lowlying tracts in East and North Bengal. The August rainfall was a little defective in North Bengal but was markedly in excess in the western, and less so in the eastern districts. Considerable damage has thus been caused to the low land crops by floods in certain districts of West Bengal, Midnapore, Bankura, Howrah, and Hooghly being the worst sufferers. On the whole, a fair crop is expected on the low lands and a satisfactory one on the high lands.

Acreage.—The total area sown with the different *bhadoi* crops this year is reported to be 5,932,800 acres as against 6,393,500 acres and 6,477,000 acres respectively in the corresponding and final forecasts of last year. Of this, the area under autumn rice is estimated at 5,126,700 acres as against 5,542,200 and 5,607,300 acres respectively in the corresponding and final forecasts of last year.

Outturn.—According to the District Officers' estimates, the outturn of the different *bhadoi* crops for the Province works out at 76 per cent. of the normal as against 81 and 85 per cent reported, respectively, in the corresponding and final forecasts of last year. Autumn rice, the most important of the *bhadoi* crops, yields an outturn of 76 per cent. of the normal for the Province this year as against 81 and 85 per cent. in the corresponding and final forecasts of last year.

G. EVANS,

Director of Agriculture, Bengal.

CAMP SURI, the 16th September 1922.

APPENDIX I:

Preliminary Forecast of the *Bhadol* Crops of Bengal, 1922-23.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
24-PARGANAS.	<i>Bhadol</i> paddy (autumn rice).	Acres. 73,400	Acres. 49,000	Acres. 47,400	75	75		
	Indian-corn (maize) ...	...	100	100	75	67		
	Other <i>bhadol</i> cereals ...	3,600	1,400	1,000	75	67		
	Other <i>bhadol</i> pulses ...	1,300	2,800	3,500	67	75		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	5,600	1,400	1,400	58	58		
	Other <i>bhadol</i> food crops.	100	800	2,100	50	58		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	84,000	55,500	55,800	74	74		
	Total ...							
NADIA.	<i>Bhadol</i> paddy (autumn rice).	491,100	475,800	470,000	83	83		
	Bajra ...	...	100	100	67	67		
	Mandua, marua or ragi	100	200	300	58	58		
	Indian-corn (maize) ...	800	100	100	58	58		
	Other <i>bhadol</i> cereals ...	8,000	5,500	5,300	58	58		
	Other <i>bhadol</i> pulses ...	1,000	7,800	5,100	33	33		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	6,400	1,700	1,800	58	58		
	Other <i>bhadol</i> food-crops	5,800	2,300	2,100	50	50		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	1,800	4,300	4,100	50	50		
	<i>Bhadol</i> fibres other than jute.	...	700	100	67	42		
	Mulberry ...	(50)	...	...	...	...
	<i>Bhadol</i> non-food crops other than fodder and fibres.	8,300	14,500	14,000	58	50		
	Total ...	523,900	513,000	503,000	81	57		
MURSHIDABAD.	<i>Bhadol</i> paddy (autumn rice).	229,700	179,500	167,300	58	58		
	Jowar ...	100	100	100	75	50		
	Ba ra ...	500	100	(4)	75	67		
	Mandua, marua or ragi	500	400	400	50	50		
	Indian-corn (maize) ...	1,000	900	800	67	67		
	Other <i>bhadol</i> cereals ...	3,500	2,400	2,200	67	58		
	Other <i>bhadol</i> pulses ...	2,000	1,700	1,700	67	50		
	Indigo ...	...	2,800	2,200	83	83		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	2,000	1,800	2,300	67	58		
	Other <i>bhadol</i> food-crops	5,000	2,500	2,500	67	50		
	<i>Bhadol</i> fodder-crops other than jowar, bajra, marua and maize.	2,500	2,300	2,500	67	55		
	<i>Bhadol</i> fibres other than jute.	400	900	500	67	67		
	Mulberry ...	4,000	3,700	2,800	75	67		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	20,000	3,800	4,100	58	58		
	Total ...	271,900	202,900	190,400	59	58		

End of May to end of June. Late.

The weather has not been favourable. The outturn is expected to fall much below the normal for want of rain in the beginning and excessive rain afterwards causing damage to the extent of 33 per cent. in Basirhat and 67 per cent. in Diamond Harbour subdivisions.

Latter part of April to June. Late.

The decrease in area is due to want of rain at sowing time. Since the sowing till the end of May the weather conditions were quite unfavourable for germination and growth. From June, however, the conditions became favourable but owing to flood which has caused some damage, the weather again became unfavourable in the Kushtia and Meherpur subdivisions.

May to June. Late

The decrease in area is due to drought at sowing time. The late but continuous shower of rain impeded the sowing operation and subsequent heavy rain was not beneficial to the growth of the crops and also retarded weeding. The damage caused by excessive rain and flood is estimated at about 42 per cent.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
JESSORE.		Aeres.	Aeres.	Aeres.				
	Bhadol paddy (autumn rice).	407,300	351,700	323,900	83	67	April and May. Late.	The decrease in area is due to want of timely rain during the sowing season. The weather was not favourable at sowing time. The outturn is estimated to be below the normal owing to damage caused by drought at the beginning and by heavy rain subsequently, especially in the Magura, Narail and Jhenidai subdivisions.
	Other <i>bhadol</i> cereals ...	12,200	10,700	5,900	75	58		
	Other <i>bhadol</i> pulses ...	12,200	7,300	5,400	67	58		
	Other <i>bhadol</i> food-crops.	1,200	500	500	67	67		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	12,100	800	500	83	58		
	<i>Bhadol</i> non-food crops other than fodder and fibres.							
Total ...	445,000	371,000	336,200	83	67			
KHULNA.								
	Bhadol paddy (autumn rice).	17,800	23,300	18,000	92	92	End of May. Late.	The decrease in area is due to want of rain at sowing time. The weather was dry at sowing time but is somewhat favourable at present. Some damage was done by prolonged drought at the beginning and by excessive rain later on.
	Other <i>bhadol</i> cereals ...	200	100	100	100	100	Middle of June. Late.	
	Other <i>bhadol</i> pulses ...	600	500	300	100	53		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	14,800	11,700	8,400	92	67		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	300	100	...	83	...		
	Total ...	33,700	35,700	26,800	92	84		
MURDWAN.								
	Bhadol paddy (autumn rice).	140,000	85,700	79,400	83	108	The decrease in area is due to prolonged drought at sowing time. The unusually early start of the monsoon and subsequently continuous rainfall caused the ploughing and sowing late. A good outturn is expected on account of the copious and continuous rainfall after sowing.	
	Mandua, marua or ragi.	...	...	...	...	...
	Indian corn (maize) ...	3,000	1,500	1,000	83	100		
	Other <i>bhadol</i> cereals ...	1,000	600	600	83	83		
	Other <i>bhadol</i> pulses ...	1,200	1,200	1,200	83	83		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	3,000	2,500	2,300	83	83		
	Other <i>bhadol</i> food-crops	1,700	900	900	83	83		
	<i>Bhadol</i> fodder-crops other than jowar, bajra, marua and maize.	200	200	100	83	83		
	<i>Bhadol</i> fibres other than jute.	6,000	5,100	5,100	83	83		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	4,000	2,500	2,500	75	33		
	Total ...	160,200	99,700	93,100	83	103		
BURDHUM.								
	Bhadol paddy (autumn rice).	111,200	110,000	111,000	67	92	End of June ...	The weather has been fairly favourable. The outturn is below the normal owing to heavy rainfall.
	Indian corn (maize) ...	100	1,300	1,400	67	75		
	Other <i>bhadol</i> cereals ...		200	300	67	73		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	10,000	7,000	8,000	67	75		
	Mulberry ...	1,000	100	200	67	67		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	2,600		2,300	83	83		
Total ...	137,800	123,200		67	90			

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
BANKURA.	<i>Bhadol</i> paddy (autumn rice).	21,900*	13,000	9,600	67	67		
	Jowar ... ..	...	100	1,300	83	67		
	Bajra	800*	600	900	83	67		
	Mandua, marua or ragi	1,100*	300	800	83	67		
	Indian corn (maize) ...	8,400*	6,200	6,700	83	83		
	Other <i>bhadol</i> cereals ...	2,000*	1,500	4,700	83	67		
	Other <i>bhadol</i> pulses ...	2,000*	26,000	2,500	83	67		
	<i>Bhadol</i> fruits and veg. tables, including root-crops.	2,000*	3,500	3,500	83	67	Middle of June. Normal.	The weather has not been favourable. The outturn is expected to be much below the normal owing to late sowing and to damage caused by heavy rainfall.
	Other <i>bhadol</i> food-crops	3,700*	300	1,100	83	67		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	...	...	300	...	83		
	<i>Bhadol</i> fibres other than jute.	800	800	800	83	7		
	Mulberry ... ..	...	...	(20)	...	83		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	1,200*	1,500	800	83			
	Total ...	43,900*	53,800	32,000	76	7		
MIDNAPORE.	<i>Bhadol</i> paddy (autumn rice).	265,400	275,000	175,000				
	Jowar	800	400	400				
	Bajra	1,200	600	600				
	Indian corn (maize) ...	8,000	5,200	3,500				
	Other <i>bhadol</i> cereals ...	10,100	7,100	7,400				
	Other <i>bhadol</i> pulses ...	29,300	13,000	15,000				
	Indigo	100	...	...		
	<i>Bhadol</i> fruits and vegetables including root-crops.	26,000	8,700	6,000	100		June. Normal...	The decrease in area is due to drought at sowing time and subsequently to floods in the Ghatol and Sadar subdivisions. The weather has not been favourable. Damage caused by drought and flood is about 17 per cent.
	Other <i>bhadol</i> food-crops.	7,400	6,000	4,100				
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	500	400	400				
	<i>Bhadol</i> fibres other than jute.	1,100	900	600				
	Mulberry	400	300	100				
	<i>Bhadol</i> non-food crops other than fodder and fibres.	400	1,400	800				
	Total ...	350,700	319,000	213,700	100	83		
HOOGHLY.	<i>Bhadol</i> paddy (autumn rice).	54,700*	24,400	23,100	92	63		
	Marua	200	...	...	...	...
	Indian corn (maize) ...	200	100	100	117	117		
	Other <i>bhadol</i> cereals ...	3,300*	500	400	92	92		
	Other <i>bhadol</i> pulses ...		300	200	75	100		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	3,500*	3,500	3,100	83	83		
	Other <i>bhadol</i> food-crops	1,700	200	100	100	100	End of May and June. Late.	The decrease in area is due to want of rain at sowing time. The weather was not favourable for want of rain at sowing time and for excessive rain and flood afterwards. At present it is favourable. The damage caused by flood in the Arambagh subdivision is about 33 per cent. Heavy rain is also reported to have caused some damage in Serampore subdivision.
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	100	100	100	100	100		
	<i>Bhadol</i> fibres other than jute.	100	...	...	...	...
	Mulberry	100	...	...	...	...
	<i>Bhadol</i> non-food crops other than fodder and fibres.	500	...	...	...	...
	Total ...	64,400	29,100	27,100	91	83		

* Revised.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn at a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
HOWRAH.	Bhadol paddy (autumn rice).	Acres. 8,900*	Acres. 10,000	Acres. 8,500	100	37	Middle of May.	The decrease in area is due to unfavourable weather. The weather has not been favourable. The outturn is below the normal owing to excessive rain and flood which have damaged about three-fourths of the crop.
	Indian corn (maize) ...	100*	200	100	100	67		
	Other <i>bhadol</i> cereals ...	1,000*	900	800	100	33		
	Other <i>bhadol</i> pulses ...							
	Bhadol fruits and vegetables, including root-crops.	5,600*	5,400	4,100	100	42		
	Other <i>bhadol</i> food-crops	1,300*	1,200	1,000	100	42		
	Bhadol fibres other than jute.	...	200	100	100	33		
	Total ...	16,900	17,900	14,600	100	39		
RAJSHAH.	Bhadol paddy (autumn rice).	168,100	175,700	171,100	83	83	Middle of April to middle of May.	The decrease in area is due to want of rain at sowing time. Want of rain retarded the growth of the crops. The weather has subsequently been favourable. Damage to the extent of two annas is reported from Nator and Naogaon subdivisions.
	Indian corn (maize) ...	800	700	700	75	75		
	Other <i>bhadol</i> cereals ...	1,600	1,800	1,800	67	67		
	Other <i>bhadol</i> pulses ...	900	100	100	67	67		
	Bhadol fruits and vegetables, including root-crops.	10,200	7,700	7,700	58	58		
	Other <i>bhadol</i> food-crops.	3,200	1,800	1,800	67	67		
	Bhadol fibres other than jute.	...	100	100	58	58		
	Mulberry ...	300	300	300	75	75		
	Bhadol non-food crops other than fodder and fibres.	300	400	400	75	75		
	Total ...	185,400	188,600	184,000	82	82		
DINAJPUR.	Bhadol paddy (autumn rice).	130,700	203,900	149,300	86	75	Middle of May	The decrease in area is due to drought at sowing time. The weather has not been favourable. The sowing was rather late and the crops have not grown well. Some damage has been done by flood. Hence the outturn is expected to fall much below the normal.
	Jowar ...	1,200	1,500	1,000	62	65		
	Bajra ...	100	200	200	71	46		
	Mandua, marua or ragi.	...	100	100	75	28		
	Indian corn (maize) ...	1,000	900	300	53	41		
	Other <i>bhadol</i> cereals ...	600	400	300	50	50		
	Other <i>bhadol</i> pulses ...	900	600	600	75	80		
	Bhadol fruits and vegetables, including root-crops.	100	1,300	400	54	50		
	Other <i>bhadol</i> food-crops	1	900	(40)	70	34		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	...	400	100	61	50		
	Bhadol non-food crops other than fodder and fibres.	300		700	50	79		
	Total ...	137,600		153,000	85	75		

*Revised.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated autumn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
JALPAIGURI.		Acres.	Acres.	Acres.				
	Bhadol paddy (autumn rice.)	165,700	137,700	146,300	75	100		
	Indian-corn (maize) ...	3,000	2,800	3,100	67	92		
	Other <i>bhadol</i> cereals ...	1,000	500	200	83	83	April. Normal	The increase in area is due to seasonable weather. The weather has been favourable. A little damage was done by heavy rain to the crops other than rice.
	Other <i>bhadol</i> pulses ...	1,800	1,400	1,200	75	83		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	15,500	9,400	10,500	75	75		
	<i>Bhadol</i> fibres other than jute.	100	100	100	67	67		
	Total ...	187,100	151,900	161,400	75	98		
DARJEELING.	Bhadol paddy (autumn rice.)	7,200	3,700	3,700	83	83		
	Mandua, marua or ragi	3,400 ^a	3,600	3,400	75	92		
	Indian corn (maize) ...	47,200 ^a	48,700	47,200	100	83		
	Other <i>bhadol</i> cereals ...	2,400 ^a	100	100	67	83		
	Other <i>bhadol</i> pulses ...		1,600	1,600	108	100		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	1,900 ^a	600	1,900	67	83		The weather has been fairly favourable.
	Other <i>bhadol</i> food-crops	5,200	4,400	4,400	92	58		
	<i>Bhadol</i> fodder-crops, other than jowar, bajra, marua and maize.	...	100	100	67	92		
	Tea ...	52,000	59,400	59,400	100	100		
	Other <i>bhadol</i> non-food crops other than fodder and fibres.	3,100 ^c	500	1,000	33	50		
	Total ...	127,400	122,700	122,800	98	91		
RANGPUR.	Bhadol paddy (autumn rice).	282,500	331,400	301,200	94	90		
	Jowar ...	200	300	300	100	100	March. Normal	The weather has been favourable. Some damage was done by drought at the beginning.
	Indian corn (maize) ...	500	100	100	75	100		
	Other <i>bhadol</i> cereals ...	20,000	5,900	6,000	90	90		
	Other <i>bhadol</i> pulses ...						April. Normal.	
	<i>Bhadol</i> fruits and vegetables, including root-crops.	10,000	4,100	4,100	80	80		
	Other <i>bhadol</i> food crops	18,000	800	1,000	80	80	August. No	
	<i>Bhadol</i> non-food crops other than fodder and fibres.	50,000	20,000	25,000	80	80		
	Total ...	380,800	362,600	332,700	93	90		

* Revised.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
BOGRA.		Acres.	Acres.	Acres.				
	Bhadol paddy (autumn rice).	140,000	138,000	140,000	100	100		
	Jowar	100	100	100	100		
	Bajra	(10)	(10)	80	85	The weather has on the whole, been favourable to the growth of the crops.
	Mandua, marua or ragi	...	(20)	(20)	100	100		
	Indian corn (maize) ...	...	2,000	2,000	50	60	
	Other bhadol cereals ...	2,500	1,600	1,800	50	70		
	Other bhadol pulses ...	...	500	600	50	75	
	Bhadol fruits and vegetables including root-crops.	2,000	500	500	100	80		
	Other bhadol food-crops	2,000	600	600	70	80		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	...	100	100	65	70		
	Mulberry	100	(6)	(8)	80	80		
	Bhadol non-food crops other than fodder and fibres.	200	...	...	...	...
	Total ...	146,800	143,400	145,500	68	100		
MALDA.	Bhadol paddy (autumn rice).	140,000	202,300	170,700	67	53		
	Indian corn (maize)	400	200	62	58		
	Other bhadol cereals ...	8,000	6,100	3,000	58	38		
	Other bhadol pulses	100	(4)	62	58		
	Bhadol fruits and vegetables including food-crops.	Latter part of April. Late.	The decrease in area is due to want of rain at sowing time. The weather was favourable for cultivation but want of rain after the sowing retarded the growth of the crops. The outturn is anticipated to fall much below the normal owing to damage caused by drought and the rise of the water in the Jamuna.
	Other bhadol food-crops	30,000	15,500	14,700	67	58		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	3,500	500	...	67	58		
	Bhadol fibres other than jute.	...	200	...	54	58		
	Total ...	181,500	225,100	188,900	67	58		
	Bhadol paddy (autumn rice).	278,600	233,400	170,000	78	42		
	Jowar	1,800	1,300	1,100	68	54		
	Bajra	1,400	1,300	900	63	50		
	Mandua	1,600	900	400	68	33		
	Indian corn (maize) ...	29,700	17,800	9,200	83	50		
	Other bhadol cereals ...	2,200	3,800	2,800	56	43		
DACC.	Other bhadol pulses ...	100	100	100	61	76		
	Bhadol fruits and vegetables, including root-crops.	9,700	1,400	1,100	62	51	Middle of May to July. Late.	The decrease in area is due to want of rain at sowing time. The outturn is expected to fall much below the normal owing to late sowing and to damage caused by continuous heavy rain after sowing and subsequently by early flood.
	Other bhadol food-crops	20,000	18,900	15,000	76	57		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	2,000	2,000	2,000	66	38		
	Bhadol fibres other than jute.	7,000	2,000	1,500	60	49		
	Mulberry	6,000	13,800	13,800	99	100		
	Bhadol non-food crops other than fodder and fibres.	3,400	3,000	2,500	66	53		
	Total ...	1,500	299,700	220,400	78	47		
	Bhadol paddy (autumn rice).	700	300,500	276,500	95	78		
	Bhadol fruits and vegetables, including root-crops.	900	4,100	4,100	80	80	April. Normal	
	Other bhadol food-crops	200	...	19,500	99	99		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	300	...	1,800	70	70		
	Total ...	270	300,900	301,900	95	79		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
MYNENSINGH.	<i>Bhadol</i> paddy (autumn rice).	Acres. 320,600	Acres. 745,000	Acres. 710,300	85	80	Middle of April. Normal.	The decrease in area is due to want of timely rain. The weather has not been generally favourable. Some damage is reported to have been caused by drought in the Kishorganj subdivision.
	Other <i>bhadol</i> pulses ...	100	100	...	80	...		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	5,500	14,000	12,300	60	65		
	Other <i>bhadol</i> food-crops	43,900	43,900	43,900	72	79		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	64,000	64,000	64,000	60	60		
	Total ...	504,100	867,000	830,500	82	78		
PARIDIP.	<i>Bhadol</i> paddy (autumn rice).	233,500	240,800	236,500	65	39	May. Late ...	The decrease in area is due to want of rain at sowing time. The weather has been unfavourable. The crops were seriously damaged by drought at the beginning and by heavy rain and sudden rise of water afterwards. Hence the outturn is much below the normal.
	<i>Bhadol</i> fruits and vegetables, including root-crops.	25,300	19,900	17,800	67	42		
	Other <i>bhadol</i> food-crops	500	600	600	66	35		
	Total ...	259,300	261,300	254,900	65	39		
BAKARGANJ.	<i>Bhadol</i> paddy (autumn rice).	136,000	318,000	250,000	92	75	End of May. Late ...	The decrease in area compared with last year is due to unfavourable weather at sowing time. The excessive rain in June and flood in July have caused much damage to the crops and the outturn is therefore much below the normal.
	Other <i>bhadol</i> pulses ...	1,000	600	...	83	...		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	140,000	150,000	120,000	100	67		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	1,400	1,600	1,400	89	75		
	Total ...	278,400	470,200	371,400	94	72		
CHITTAGONG.	<i>Bhadol</i> paddy (autumn rice).	202,000	194,600	194,600	93	92	May and June. Normal.	The weather has been fairly favourable. The outturn may be normal if nothing happens unfavourable till the time of harvesting.
	Indian-corn (maize) ...	200	200	200	93	92		
	Other <i>bhadol</i> pulses ...	300	200	200	100	92		
	<i>Bhadol</i> fruits and vegetables including root-crops.	3,400	2,500	2,500	92	92		
	Other <i>bhadol</i> food-crops	1,800	1,800	1,800	100	...		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	5,800	4,000	4,000	100	...		
	<i>Bhadol</i> fibres other than jute.	300	300	300	100	100		
	Tea ...	5,000	5,400	5,400	83	83		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	100	100	100	101	100		
	Total ...	218,900	208,900	208,900	92	92		
TUPPERA.	<i>Bhadol</i> paddy (autumn rice).	312,800	317,400	305,300	83	83	April. Normal.	The decrease in area is due to want of rain at sowing time. At sowing time the weather was not favourable but subsequently proved better. Excessive rain and floods also caused some damage. The outturn is therefore expected to fall below the normal.
	Other <i>bhadol</i> cereals ...	600	500	500	83	83		
	Other <i>bhadol</i> pulses ...	1,100	1,100	1,100	75	75		
	<i>Bhadol</i> fruits and vegetables (including root-crops).	7,500	4,400	4,500	67	67		
	Other <i>bhadol</i> food-crops	1,700	800	700	67	58		
	<i>Bhadol</i> fodder-crops other than jowar, bajra, marua and maize.	9,000	8,900	8,800	67	67		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	5,000	5,000	5,000	83	83		
	Total ...	337,700	338,000	325,900	82	82		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
NOAKHALL.	<i>Bhadol</i> paddy (autumn rice).	204,000	300,000	300,000	100	83	March to April. Normal.	The weather was not favourable at sowing time and during the period of growth. The damage caused by continuous rainfall in June and July and by insects is estimated at 17 per cent. of the normal.
	<i>Bhadol</i> fruits and vegetables, including root-crops.	1,000	1,000	1,000	100	83		
	<i>Bhadol</i> fodder-crops other than jowar, bajra, marua and maize.	2,000	2,000	2,000	100	83		
	Total ...	207,000	303,000	303,000	100	83		
CHITTAGONG HILL TRACTS.	<i>Bhadol</i> paddy (autumn rice).	188,000	166,000	168,000	92	100	Second week of April. Normal.	The weather has been favourable and a normal outturn is expected.
	Indian-corn (maize) ...	2,100	1,800	1,400	83	83		
	Other <i>bhadol</i> pulses ...	4,000	3,800	4,000	83	83		
	Other <i>bhadol</i> food-crops.	7,000	6,800	7,000	83	83		
	Total ...	201,100	177,900	180,400	91	100		
TOTAL, BENGAL.	<i>Bhadol</i> paddy (autumn rice).	5,072,800	5,607,300	5,126,700	85	78		
	Jowar ...	4,100	3,800	4,300	73	67		
	Bajra ...	4,000	2,900	2,700	78	63		
	Manua, marua or ragi	6,900	5,500	5,400	72	77		
	Indian corn (maize) ...	107,400	90,400	78,200	91	78		
	Other <i>bhadol</i> cereals ...	130,300	104,400	75,200	81	73		
	Other <i>bhadol</i> pulses ...							
	Indigo ...	1,100	10,600	7,500	46	37		
	<i>Bhadol</i> fruits and vegetables including root-crops.	313,300	269,600	231,700	89	66		
	Other <i>bhadol</i> food-crops	206,000	138,200	125,400	68	72		
	<i>Bhadol</i> fodder-crops other than jowar, bajra, marua and maize.	96,300	91,500	91,400	84	77		
	<i>Bhadol</i> fibres other than jute.	15,800	11,300	9,300	77	74		
	Mulberry ...	11,900	18,200	18,200	94	92		
	Tea ...	57,000	64,800	64,800	99	99		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	113,900	500	53,200	70	67		
	Total ...	6,141,100	6,400,000	5,800,000	85	78		

Figures for Jalpaiguri and the Chittagong Hill Tracts.

DISTRICT REPORTS ON WEATHER AND CROPS

For the week ending on the 13th September 1922.

Summary.—During the week under review rainfall was generally light to moderate. Transplantation of winter paddy and harvesting of autumn crops are nearing completion. Weeding of winter paddy is making good progress and its outlook is so far reported to be favourable. Other standing crops are also doing well. The average price of common rice for the province has fallen by about 1·748 per cent as compared with that of the previous week.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
1	24-PARGANAS ...	0·88	5½	5½	The effects of weather on the standing crops are good. Retransplantation of <i>aman</i> paddy is nearly finished. <i>Aman</i> paddy is thriving well in Barasat. Condition and prospects of jute are favourable. Fodder and water are sufficient.
	Diamond Harbour.	0·97	5½	5½	
	Barrackpore ...	0·77	5½	5½	
	Barasat ...	1·18	5	5	
	Basirhat ...	0·64	6½	6	
2	NADIA ...	0·29	6½	6½	Harvesting of <i>aus</i> paddy and jute and transplantation of <i>aman</i> paddy continue. Slight damage to jute by rain is reported from Meherpur. Prospects of <i>aman</i> paddy are favourable. Prospects of jute are fair. Fodder and water are sufficient. Cattle-disease is reported from the Sadar, Chuadanga and Ranaghat subdivisions.
	Kushtia ...	0·04	6	6	
	Meherpur ...	9·18	6½	6½	
	Chuadanga ...	0·24	6½	6½	
	Ranaghat ...	1·09	5½	5½	
3	MURSHIDABAD	0·99	7	6½	Prospects of standing crops are fair. Condition of prospects of jute are not favourable: flood is causing some damages. Harvesting of <i>aman</i> continues. Fodder is insufficient in Kandi. Large import or export. Cattle-disease reported from thana Khargram in Kandi division.
	Lalbagh ...	0·09	6½	6½	
	Jangipur ...	0·44	7½	6½	
	Kandi ...	0·10	8½	8	
4	JESSORE	1·50	6	6	Condition and prospects of standing crops are favourable. Harvesting of jute and <i>aus</i> paddy continues. Lands are being prepared for <i>rabi</i> crops. Export of paddy continues to be reported from the Bongaon subdivision. Fodder and water are sufficient.
	Jhenidah ...	0·24	6½	5½	
	Magura ...	0·32	6	6	
	Narail ...	0·26	6½	5½	
	Bongaon ...	9·14	6	6½	
5	KHULNA ...	0·42	6	6	Weather hot with light rain. Condition and prospects of standing crops are fair. Harvesting of <i>aus</i> paddy and jute continues. Transplantation of <i>aman</i> paddy seedlings is being retarded in some parts of Bagerhat subdivision. The effects of weather on the growth of <i>aman</i> are unfavourable. Condition and prospects of jute are fair; some damage is reported from Syamnagore, Debhatta and 24-Parganas. Fodder and water are sufficient.
	Satkhira ...	2·14	6	6	
	Bagerhat ...	0·17	6½	6½	

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
	2	3	4	5	6
		Inches.			
6	BURDWAN ...	1.25	6	6½	Weather hot and cloudy with occasional showers. Weeding and harvesting of <i>aus</i> paddy and jute continue. Prospects of <i>aman</i> paddy and sugarcane are good. Rinderpest is reported from Jamalpur, Ketngram and Mangalkot thanas.
	Asansol ...	3.37	6	6	
	Katwa ...	0.40	7	6½	
	Kalna ...	0.78	6½	6½	
7	BIRBHUM ...	4.53	6½	6½	Condition of standing crops is good. Fodder and water are sufficient.
	Rampurhat ...	0.55	7	7	
8	BANKURA ...	1.70	8	6½	Export of rice and paddy continues. Standing crops are doing well. Agricultural prospects are favourable.
	Vishnupur ...	(n)	(n)	6½	
9	MIDNAPORE ...	1.70	7½	7½	Weeding of winter paddy is progressing. Harvesting of jute continues. Fodder is sufficient.
	Jhargram ...	0.75	6	6	
	Ghātal ...	1.94	7½	6½	
	Tamluk ...	0.96	5½	5½	
	Contai ...	1.67	7	6½	
10	HOOGHLY ...	1.06	5½	5½	Effects of weather on crops are favourable. Fodder is sufficient. Condition and prospects of jute are fair. Harvesting of jute continues.
	Serampore ...	0.53	5½	5½	
	Arambagh ...	1.39	6½	6½	
11	HOWRAH ...	0.68	5½	5½	Weather favourable. Weeding of paddy and cutting of jute continue.
	Uluberia ...	1.57	5½	5½	
12	RAJSHAHI (RAMPUR-BOALIA).	0.03	6½	6	Reaping of <i>aus</i> paddy continues. Prospects of <i>aman</i> paddy are good. Effects of weather on jute are favourable. Harvesting of jute continues. Condition of jute on high lands is poor. Fodder and water are sufficient.
	Naogaon ...	0.99	6	5½	
	Nator ...	0.28	6½	6	
13	DINAJPUR ...	0.06	7½	7½	Weather seasonable. Prospects of <i>bhadoi</i> paddy and jute are not favourable. Harvesting of jute and <i>bhadoi</i> paddy continues. Transplanting of winter paddy is finished and its prospects are good. Fodder and water are sufficient.
	Thakurgaon ...	0.76	8½	8	
	Balurghat ...	0.3	8	7½	
14	JALPAIGURI ...	2.7		6½	Condition of jute is normal. Harvesting of jute and <i>bhadoi</i> paddy is continuing.
	Alipur ...	0.33		6	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
15	DARJEELING ...	1.35	5½	5	Maize and potatoes are being harvested. <i>Marua</i> is progressing well. Paddy seedlings are being transplanted. Effects of weather on jute and the condition of the crop are good. Fodder and water are sufficient. Cattle-disease exists in places.
	Kurseong ...	2.89	6	6	
	Siliguri ...	3.80	6	6	
	Kalimpong ...	0.60	5½	5½	
16	RANGPUR ...	0.29	6½	6½	Transplantation of winter paddy and steeping of jute are making slow progress for want of rain. Cattle-disease is reported from the Gaibandha subdivision and fresh outbreak is reported from Kishoreganj. Veterinary assistants are attending. Fodder and water are sufficient.
	Nilphamari ...	0.77	6½	6½	
	Kurigram ...	0.62	6½	6½	
	Gaibandha ...	0.52	7½	6½	
17	BOGRA ...	0.23	7½	7½	Harvesting of <i>aus</i> paddy and jute are nearly finished. Transplantation of winter paddy seedlings and steeping of jute continue. Prospects and condition of jute are fair.
18	PABNA ...	0.62	6	5½	Rainfall during the week was slight. Prospects of standing crops are good. Harvesting of <i>aus</i> paddy is finished and that of jute is still continuing. No damage of jute is reported. The condition and prospect of jute are fair. Agricultural stock is sufficient. Rice market is fluctuating. Fodder and water are sufficient.
	Sirajganj ...	0.93	6½	6½	
19	MALDA ...	0.53	6½	6	Prospects of transplanted winter paddy are good.
20	COOCH BEHAR	0.72	7½	(n)	Winter seasonable. Cutting, steeping and washing of jute are continuing. Prospects of jute and other standing crops are favourable. Fodder is sufficient. Cattle-disease is reported from Mathabhanga subdivision.
21	DACCA ...	0.92	7	7	During the week there was a light rainfall over the district. Harvesting of jute is now complete. Cutting of jute is in full swing. No damage of jute is reported.
	Manikganj ...	2.50	7½	7½	
	Narayanganj ...	(n)	(n)	7½	
	Munshiganj (a)	(n)	6½	6½	
22	MYMENSINGH ...	1.95	6½	6½	Harvesting of <i>aus</i> and transplantation of winter paddy continue satisfactorily. Prospects good. Effect of weather on the jute crop has been favourable. Progress of harvesting satisfactory. Sufficient fodder and water available.
	Jamalpur ...	0.78	6½	6½	
	Tangail ...	0.19	6½	6½	
	Netrokona ...	2.27	6½	6½	
	Kishoreganj ...	1.48	5½	5½	

(a) Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not reported. The information regarding the northern part of the district, rainfall figures for Kapasia thana are reported here.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
23	FARIDPUR ...	1.51	{ 6½ 6½ }	{ 6½ 6½ }	Harvesting of jute continues. Prospects of standing crops are unfavourable. Fodder is insufficient excepting in the Goalundo subdivision.
	Goalundo (Rajbari).	0.81	6	6	
	Madaripur ...	0.37	6½	6½	
	Gopalganj (a) ...	0.47	6½	6	
24	BAKARGANJ (BARISAL).	1.08	6½	6	Weather seasonable. Prospects of standing crops are fair. Fodder and water are sufficient.
	Pirojpur ...	0.12	6	5½	
	Patuakhali ...	1.42	6½	6½	
	Dakshin Shabazpur (Bhola).	(n)	(n)	7½	
25	CHITTAGONG ...	1.48	{ 5½ 6½ }	{ 5½ 6½ }	Transplantation of <i>aman</i> paddy and harvesting of <i>aus</i> paddy are in progress. Prospects of standing crops are fair. Fodder is sufficient. <i>Panga</i> salt is selling at 13 seers per rupee at Sadar subdivision and 10½ seers at Cox's Bazar. Cattle-disease is reported from Satkania.
	Cox's Bazar ...	0.37	6	6	
26	TIPPERA (COMILLA).	1.38	5½	5½	Weather hot and cloudy. Harvesting of <i>aus</i> paddy and jute are nearing completion and transplantation of <i>aman</i> paddy is progressing. Condition and prospects of standing crops are satisfactory. The weather condition is favourable to jute and no damage is reported.
	Brahmanbaria	5.16	5½	5½	
	Chandpur ...	0.02	6½	6½	
27	NOAKHALI ...	2.90	5½	5½	Weather seasonable. Prospects of standing crops are good. Transplantation of <i>aman</i> paddy seedlings is completed. Jute is slightly damaged owing to continued drought. Harvesting is nearly finished. Fodder and water are sufficient.
	Feni ...	1.87	6½	6	
28	CHITTAGONG HILL TRACTS.	3.31	6	5½	Prospects of crops are favourable. Fodder and water are sufficient. Condition of cotton is not very promising.
29	TRIPURA STATE	2.68	5½	5½	Weather seasonable. Cotton is in flower in some places and its condition is fair. Condition and prospects of other standing crops are also fair. Cleaned cotton is selling at Rs. 25 to Rs. 50 per maund. Fodder and water are sufficient. Cattle-disease is reported from two divisions.

(a) 1

* Burma rice.

Daspur, which is very near to Gopalganj, is shown here.

(n) Not reported.

J. GHOSH,

for Director of Agriculture, Bengal.

Dacca, the 16th September 1922

Vital Statistics of Towns with a population of 50,000 and over of Bengal Presidency for the week ending Saturday, the 4th February 1922.

District.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1921.			BIRTHS REGISTERED.		DEATHS REGISTERED.														Total of all causes.		Total of corresponding week of the previous year.								
			Male.	Female.	Total.	Number registered (excluding still-borns).	Still-born, number registered.	Cholera.	Small-pox.	Plague.	Marja.	Enteric fever.	Measles.	Relapsing fever.	Kala-azar.	Other fevers.	Dysentery.	Diarrhoea.	Influenza.	Pneumonia.	Phthisis.	Other respiratory diseases.	Injuries.	Deaths from child-birth.	Total of all causes.		Male.	Female.	Total.			
																									Male.	Female.				Total.		
Calcutta	1	Calcutta	617,590	290,261	907,851	402	10	19	22	1	23	5	2	...	6	33	39	5	15	52	41	80	8	1	206	323	240	563	539	370	899	
Burdwan	2	Asansol Mining Settlement.	176,514	152,539	329,353	54	...	...	...	...	...	...	...	...	...	19	3	...	...	...	...	15	...	...	35	43	29	72	47	52	99
Howrah	3	Howrah	128,472	56,829	195,301	85	7	10	13	...	7	1	...	...	1	16	11	5	...	10	2	9	2	1	40	72	56	128	115	84	189
Dacca	4	Dacca	67,723	52,117	119,840	51	4	1	...	...	1	...	...	...	6	20	5	1	...	6	3	3	1	...	30	38	39	77	40	34	74
	5	Maniktaba	40,926	6	3	2	6	11	15	23	18	46	31	25	57
		Bhatpara	45,723	19,886	65,609	8	...	...	...	...	...	...	...	...	...	5	...	2	...	1	...	...	...	...	4	6	7	13	8	5	13
		Baru-Ch	36,289	20,185	56,474	11	...	...	1	...	...	...	...	...	...	1	1	...	...	1	...	3	...	...	13	14	6	20	21	16	37
	8	Tilagath	36,533	15,618	52,151	4	8	1	...	1	...	5	6	10	16	21	16	37

CHAS. A. BENTLEY, Director of Public Health, Bengal.

CALCUTTA, the 30th August 1922.

DAILY RAINFALL RECORDED IN BENGAL

DIVISION.

District.

Station.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

24-Parganas

Sangar Island ...
Diamond Harbour.
Budge-Budge ...
Canning Town...
Alipore ...
Barrackpore ...
Dum-Dum ...
Barasat ...
Basirhat ...
Gosaba ...

0.71
0.66
0.14
2.65
0.26
1.97
4.25
2.25
1.23
1.78

2.83
10.03
4.22
5.85
7.60
7.98
0.70
3.00
3.23
12.34

...
...
0.78
1.17
0.64
...
0.20
0.30
0.41
...

...
...
0.28
...
...
0.14
...
...
...
...

0.72
4.05
3.80
3.15
0.27
0.26
1.10
0.25
0.18
0.10

1.70
0.58
...
...
1.07
...
0.66
1.30
1.09
1.79

...
...
...
...
0.12
...
0.04
...
0.16
...

...
...
0.02
...
...
0.58
0.20
...
0.17
0.22

0.03
...
0.26
...
...
...
0.74
0.35
0.12
0.22

0.02
...
...
...
...
...
...
...
0.11
0.18

...
...
...
...
...
0.97
...
...
...
...
...

...
...
0.14
...
...
...
2.95
...
...
...
...

0.02
...
0.63
0.60
1.35
0.92
0.36
0.05
...
...

0.02
...
2.07
0.62
0.04
...
0.19
...
...
...
...

0.18
...
0.18
...
...
...
0.26
...
0.18
...

0.05
1.52
...
...
...
...
...
...
...
...

0.16
0.42
...
...
...
...
...
...
...
...

0.07
0.14
...
...
...
...
...
...
...
...

0.28
0.49
...
...
...
...
...
...
...
...

0.83
0.22
...
...
...
...
...
...
...
...

0.74
0.34
...
...
...
...
...
...
...
1.10

Nadia

Ranaghat ...
Krishnagar ...
Obudanga ...
Meherpur ...
Kushtia ...
Haringhata ...

1.10
0.10
0.49
0.06
...
3.12

2.00
1.35
0.53
0.33
0.45
1.65

0.55
0.45
0.21
0.14
...
0.32

...
0.07
0.09
0.04
...
...

1.50
0.20
0.75
0.43
0.32
1.50

1.38
0.31
0.15
...
...
0

0.14
0.11
0.15
0.75
0.30
0.34

0.20
0.86
2.50
0.45
0.20
0.03

3.00
1.05
0.04
0.35
...
0.31

0.94
0.31
0.06
...
...
0.09

0.40
...
0.32
0.06
0.12
...

0.20
0.03
0.15
...
...
...

0.13
0.03
0.88
...
...
0.76

0.30
0.55
1.44
...
...
0.20

...
...
...
...
...
0.02

0.03
0.19
...
0.03
...
...

0.65
0.05
...
0.22
...
...

0.82
...
...
0.14
...
...

...
0.38
0.61
0.05
...
...

...
0.52
0.02
...
...
0.12

0.10
0.02
...
0.18
...
0.33

Murshidabad.

Kandi ...
Perhampore ...
Lalbagh ...
Azinganj ...
Jaogipur ...
Lalgola ...
Akriganj ...
(Maricha).
Patkabari ...
Dumkal ...
Kalyanganj ...
(Isanpur).

...
0.70
0.03
0.25
0.06
...
...
...
...
...
0.02

0.55
0.13
0.02
0.36
0.28
...
0.41
...
...
0.26
0.11

0.8
0.40
1.27
0.29
0.04
...
0.50
...
...
...
...

...
...
1.47
0.52
0.01
0.62
...
0.20
...
...
...

...
0.10
5.52
2.38
...
2.62
...
0.20
...
...
...

...
0.10
...
0.57
0.94
...
1.50
1.80
0.26
...
...

0.05
0.21
0.32
0.04
...
0.20
0.25
0.02
0.50
...

0.3
0.11
...
0.12
...
...
...
0.02
0.50
0.03

...
0.12
0.15
...
...
...
...
...
...
...
...

2.24
0.55
0.31
0.18
...
...
0.06
...
...
...

0.75
0.40
0.32
...
0.42
...
...
...
...
...

...
0.11
0.62
...
0.23
...
...
...
...
...
...

...
...
0.02
0.35
0.41
0.20
...
...
...
...
...
...

0.07
...
0.11
...
0.15
...
...
...
...
...
...

0.27
0.44
...
0.35
...
0.25
...
...
...
...
...

0.07
0.21
...
0.15
...
0.25
...
...
...
...
...

...
...
...
...
...
...
...
...
...
...

0.27
0.26
...
0.38
...
...
...
...
...
...

0.07
0.46
...
0.03
...
...
...
...
...
...

Jessore

Narail ...
Jessore ...
Jhenida ...
Magura ...
Bongaon ...

...
...
...
...
...

2.24
0.50
0.55
...
5.12

0.59
0.61
0.34
...
0.35

0.44
0.78
0.10
...
...

7.17
...
...
...
4.75

5
0
...
...
...

1.39
0.47
...
...
0.94

0.03
...
...
...
0.15

2.21
0.75
...
0.20
3.03

0.24
...
...
...
0.50

0.02
...
...
0.12
0.99

1.50
...
...
1.75
...

0.09
0.25
...
0.07
...

0.03
...
...
...
...

0.07
0.02
...
0.09
...

0.25
0.05
...
...
0.13

0.04
0.10
...
0.16
0.17

0.14
0.50
...
...
0.15

...
0.05
...
...
...

0.29
0.35
...
...
0.31

Khulna

Satkira ...
Bagerhat ...
Khulna ...
Kalganj ...
Nakipur ...
Dumuria ...
Rampal ...
Kalaroa ...
Paikgachha ...
(Raruli).
Mollahat ...
Morelgani ...
Tala ...

0.68
1.06
0.40
2.10
3.70
0.40
0.73
3.03
2.20
...
0.20
1.74
4.70

3.39
0.45
1.41
6.65
4.64
1.55
1.61
3.07
...
0.20
1.30
0.50

0.01
2.13
0.65
0.30
0.60
1.00
1.46
...
...
0.03
0.45
0.20

0.26
0.43
0.12
...
0.60
0.48
0.34
...
...
5.65
1.10
0.52

0.20
...
...
2.10
1.28
1.17
0.32
4.04
2.52
...
0.83
1.32
2.04

...
...
...
...
...
...
...
...
...
...
7
5
4

0.64
...
0.05
...
...
...
...
0.09
...
...
1.06
0.22
0.60

0.23
1.02
2.59
1.65
1.24
0.68
1.82
1.02
0.53
...
0.46
1.35
0.60

0.78
...
0.26
1.30
0.26
...
0.26
0.10
2.02
1.14
...
2.14
1.25
1.01

0.22
...
0.04
0.26
...
...
...
0.12
0.25
...
...
...
0.45
...

0.02
...
1.32
...
...
...
...
0.12
0.25
0.14
...
...
0.45
0.22

...
...
...
...
...
...
...
...
...
...
0.10
0.26
0.22

0.25
...
...
...
...
...
...
0.18
...
...
0.16
...
0.95
0.48

0.43
...
...
...
...
...
...
0.59
0.16
...
...
0.45
...

0.34
0.13
...
...
...
0.21
0.17
...
...
...
0.59
1.20
...

0.04
0.22
0.07
...
0.10
0.35
0.10
...
...
...
...
...

...
0.60
0.10
0.12
...
0.42
0.10
0.68
...
...
...
...
...

1.29
1.06
0.71
1.08
...
0.34
0.27
0.10
0.49
...
1.11
1.25
2.08

Burdwan

Kalna ...
Burdwan ...
Katwa ...
Asansol ...
Manikar ...
Mangalkot ...
Royna ...
Monteswar ...

0.92
0.93
...
...
3.50
3.90
3.90
...

1.70
2.80
0.71
1.15
0.15
1.00
5.50
...

0.48
0.75
...
...
4.97
...
...
...

...
...
...
0.74
...
1.20
0.50
...

0.45
...
31
63
50
50
...
...

0.75
0.19
...
0.25
...
1.10
...
...

0.24
0.32
1.70
0.27
...
...
...
...

1.26
0.03
...
...
...
...
...
...

1.00
0.04
1.03
...
...
...
...
...

0.88
...
...
...
...
...
...
...

0.22
0.03
...
...
...
...
...
...

0.85
2.03
0.81
1.24
...
...
...
...

0.12
1.15
0.47
2.45
...
...
...
...

0.14
0.01
...
0.30
...
...
...
...

0.08
...
...
0.09
...
...
...
...

0.42
0.03
...
0.24
...
...
...
...

0.37
0.03
...
0.10
...
...
...
...

0.06
0.04
...
0.15
...
...
...
...

0.22
0.21
...
0.75
...
...
...
...

0.06
0.20
...
...
...
...
...
...

0.20
...
...
...
...
...
...
...

0.20
...
...
...
...
...
...
...

Birbhum...

Suri ...
Hetampur* ...
Rampurhat ...
Bolpur* ...
Murarai ...
Labpur*

0.38
...
1.10
...
...
...

0.94
...
1.82
...
...
...

0.85
...
0.05
...
...
...

2.73
...
0.05
...
0.50
...

3
...
...
...
...
...

0.80
...
0.05
...
...
...

...
...
...
...
...
...

0.15
...
...
...
...
...

...
...
...
...
...
...

0.25
...
...
...
...
...

...
...
...
...
...
...

...
...
0.57
...
...
...

...
...
0.25
...
...
...

...
...
0.10
...
...
...

...
...
0.10
...
...
...

...
...
...
...
...
...

0.24
...
...
...
...
...

0.68
...
0.40
...
0.26
...

Bankura

Bankura ...
Vishnupur ...
Maliara ...
Khatra ...
Indas ...
Kotalpur* ...
Onda* ...
Ganeajalghati ...
Balpur ...
Sonamukhi* ...
Taldangra ...
Saranga ...
Indipur ...
Arhara ...
Barjora ...
Simlapa ...
Mejia ...
Siromanipur* ...
Palasdanga ...
Chatna ...
Ranibandh ...
Saltora ...
Joypur ...
Ambikanagar* ...
Jairampur*

...
...
...
...
...
...
...
1.1
0.0
...
4.40
...
2.80
1.50
...
...
...
0.82
...
1.12
1.45
0.30
1.76
1.94

1.45
4.48
0.80
3.08
5.42
...
...
0.85
3.02
...
...
05
12.11
5
...
...
8.28
2.75
1
...
...
4.7
5.6

11.13
7.20
4.02
7.65
2.57
...
...
4.61
4.29
...
...
2.60
0.92
1.16
1.83
...
...
...
...
...
...
...
...
...

0.05
...
0.70
1.02
...
...
...
0.37
0.10
...
...
0.52
0.92
1.16
...
...
...
...
...
...
...
...
...
...
...

1.60
1.69
2.30
5.05
0.11
...
...
0.95
0.94
...
...
0.45
...
0.90
1.55
2.74
0.20
0.93
0.41
3.00
4.47
...

0.09
0.02
...
0.05
0.42
...
...
0.01
...
...
...
...
...
...
0.31
0.10
0.50
...
...
...
...
...
...

0.44
...
0.68
...
0.15
...
...
0.84
...
...
...
0.26
1.11
...
...
0.50
0.76
0.03
...
...
...
...
...
...

...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.06
0.25
0.34
0.31
0.27
...
...
0.17
0.17
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.25
0.19
0.96
0.22
0.38
...
...
0.05
0.17
0.17
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.19
0.06
0.08
0.11
0.40
...
...
0.32
0.32
0.27
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.06
...
0.46
0.12
0.29
...
...
0.01
0.32
0.02
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

...
...
0.02
0.19
0.01
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.42
...
...
...
...
...
...
0.06
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.37
0.03
...
0.10
...
...
...
0.06
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.06
0.21
...
0.15
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

0.20
0.94
...
0.57
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...
...

1.93
0.94
0.57
0.78
...
0.98
...
0.64
1.11
...
...
0.62
0.02
0.20
0.50
0.80
0.32
0.90
...
...
0.67
0.25
1.50
0.62
...

DAILY RAINFALL RECORDED IN

DIVISION.

B. BHOWAN—contd.

RAJSHAH.

DISTRICT.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Midnapore	Contai	0.29	3.48	...	...	0.18	0.29	0.01	...	...	...	0.06	...	1.04	0.49	0.40	0.19	0.08	1.56	0.81	0.46	
	Tamluk	0.21	5.99	0.45	...	1.54	0.60	0.02	...	0.04	...	0.08	...	0.40	3.40	0.16	0.37	...	1.68	0.15	0.11		
	Midnapore	0.5	6.83	0.50	...	...	0.69	0.19	3.44	...	...	0.03	...	1.52	0.14	0.32	0.09	0.96	0.05	0.06	0.79	
	Ghatal	1.12	9.93	0.45	...	0.23	2.85	...	0.60	0.60	...	0.20	...	0.20	0.48	0.58	0.09	0.33	0.75	0.19	1.16		
	Kokrahati	0.12	3.60	0.49	...	0.82	1.92	...	...	...	...	0.11	...	1.11	0.35	0.59	0.39	0.12	1.30	0.23	0.50	
	Amlagura	1.15	5.30	7.20	...	...	1.30	0.12	...	0.89	...	0.59	...	0.20	...	1.40	...	0.20	...	0.25	1.45	
	Panskura	0.20	4.25	1.27	...	0.35	1.00	0.10	1.15	...	...	...	...	0.90	0.95	1.30	0.10	0.20	0.10	0.30	0.70	
	Dantan	...	3.40	...	...	...	0.30	0.20	...	0.55	...	0.45	...	0.98	0.70	0.30	...	0.20	0.14	...	0.20	
	Chandrakona	...	...	...	...	...	...	...	...	...	...	...	...	2.05	2.15	0.14	...	...	0.50	0.40	0.41	
	Pachetgarh	0.57	5.50	0.07	...	0.90	2.29	0.05	...	...	...	...	...	1.09	1.63	0.49	0.07	0.04	0.20	0.04	0.37	
	Bhagwanpur	0.74	8.35	0.44	...	1.67	0.68	0.06	0.07	0.18	...	...	0.11	...	...	...	...	...	...	...	...
	Kes Kultikri	...	...	...	...	0.16	0.45	0.35	0.31	...	...	...	...	3.12	0.23	0.65	...	0.28	0.80	0.30	0.76	
	Nayabasan	...	3.70	0.80	...	0.16	0.45	0.35	0.31	...	...	...	...	0.95	0.70	0.10	0.02	1.87	0.10	3.00	1.87	
	Silda (Belpahari)	0.42	2.85	2.40	0.46	0.45	0.18	...	0.45	...	...	...	...	...	...	...	...	...	...	...	...
	Chandri	...	...	...	...	...	...	...	...	...	...	...	...	1.80	...	0.35	...	0.57	...	0.50	1.06	
	Goaltore	...	5.00	6.57	...	...	1.03	0.21	0.90	1.00	...	...	...	...	...	...	...	...	...	...	...
	Salboni	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Narayanagar	5.80	0.10	1.70	0.20	0.40	0.40	0.30	...	...	...	...	0.10	1.40	0.60	0.40	0.20	0.10	...	2.60	0.40	0.10
	Ramnagar	0.32	2.35	...	...	0.14	0.25	0.13	...	...	...	...	...	0.12	...	...	...	...	...	1.30	0.25	0.88
	Mohanpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.90	...	...	0.20	1.60	0.09
	Henria	0.55	0.90	...	...	3.40	0.0	...	...	...	...	...	0.28	...	0.02	0.57	0.35	0.15	...	0.73	0.59	0.60
	Jenka (Kharjri)	0.28	3.90	...	...	2.44	0.0	...	...	...	...	...	...	1.65	0.10	1.40	0.30	0.50	1.10	0.70	0.70	0.50
	Nandigram	4.85	0.03	0.15	1.75	0.40	...	...	...	...	...	...	...	...	2.75	1.90	0.65	0.53	0.13	0.57	0.02	0.13
	Moyua	...	5.05	0.77	...	...	1.3	...	0.20	...	...	...	...	...	0.30	0.10	0.10	0.20	0.40	0.35	0.20	...
	Pingla	4.00	0.50	...	...	1.40	...	1.00	...	...	...	...	...	...	0.70	2.08	0.08	0.20	...	0.73	1.74	0.12
	Narajole	0.50	5.84	2.34	...	...	1.7	0.60	0.31	2.00	0.12	...	...	...	0.10	3.90	0.65	0.09	0.10	0.15	0.04	0.40
	Kolahat (Daman)	0.17	4.52	1.12	...	0.01	0.4	2.10	0.02	0.32	0.22	...	...	0.14	1.08	0.39	0.03	0.06	0.86	0.05	0.63	1.00
	Balichak	0.46	7.68	0.82	...	...	1.1	0.37	0.30	...	...	...	...	...	...	...	...	...	...	...	...	...
Hooghly	Serampur	1.11	5.09	0.16	...	0.06	0.4	0.95	0.02	0.75	...	0.35	...	0.75	...	0.73	0.06	0.12	0.21	0.09	0.13		
	Hooghly	0.45	1.25	...	1.15	1.00	0.6	0.12	0.65	0.85	0.35	...	0.55	...	...	...	...	...	1.23	0.65	...	0.40
	Arambagh	0.32	10.75	2.44	0.45	0.26	0.4	0.08	0.76	2.77	...	1.10	0.35	0.24	0.96	1.85	0.04	0.04	0.03	0.60	0.13		
	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Howrah	0.34	9.10	0.66	...	0.15	2.1	0.92	0.04	0.26	...	...	...	...	0.67	...	0.13	0.17	0.06	0.71	...	0.38
	Mohesra	0.15	11.23	0.95	...	1.03	2.1	0.05	0.15	0.92	...	1.27	...	2.17	0.21	0.20	0.33	0.72	0.65	0.68	1.85		
	Chaberia	0.20	10.60	1.08	...	0.42	2.1	...	0.03	0.50	...	0.12	...	1.27	0.35	0.88	0.10	1.35	0.29	0.74	0.62		
	Amra	0.35	12.00	1.50	...	1.50	2.1	1.45	1.80	2.00	...	0.71	...	1.24	0.08	0.45	...	0.30	0.06	0.86	0.80		
	Boalia	Boalia	...	0.25	0.78	0.17	0.10	0.1	1.35	0.40	0.11	0.05	0.20	0.02	0.48
		Nator	0.30	1.01	0.18	0.15	0.89	0.1	0.30	0.27	0.73	0.03	...	...	0.01	1.40	...	0.03	...	...	0.31	0.23
		Naugao	0.12	0.75	...	0.25	0.15	1.1	0.93	0.27	0.85	...	...	...	...	...	...	...	...	...	...	...
	Boalia	Bilmara	0.62	0.32	0.22	0.15	0.23	0.32	1.04
		Manda	...	...	...	...	...	...	...	0.34	...	...	...	...	0.64	...	...	...	...	...	...	0.25
		Mahadebpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Boalia	Tanor	0.12	0.20	0.33	0.33	0.37	0.07	1.12	0.32
		Chaugram	0.25	0.72	0.35	0.40	...	0.1	1.50	0.20	0.85	1.50	0.50	...	...	1.35	...	...	...	0.30	...	...
		Joari	...	0.18	0.04	0.38	3.92	0.1	0.20	0.06	0.02	0.05	...	0.19	2.01	...	...	...	0.10	0.12	0.15	0.44
	Dinajpur	Nithpur	0.20	0.80	...	0.11	...	1	0.65	0.13	0.40	1.00	...	0.15
		Nawabganj	0.20	...	...	...	...	...	0.24	0.30	...	0.24	...	...	...	0.36	0.50	...	...	...	...	0.20
		Gangarampur	...	...	...	0.42	...	...	0.81	0.72	0.36	0.32	...	...	...	0.12	...	0.19	...	...	0.44	...
		Churamon	...	1.46	...	...	...	...	1.24	1.00	0.25	...	...	...	...	...	0.15	0.80	0.15	...	...	0.68
		Balganj	...	...	0.03	...	...	...	3.45	4.20	0.30	0.17	0.10	0.10	0.10	2.15	0.21	...	...	...	1.70	0.35
		Dinajpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.02
		Balughat	...	0.08	...	0.28	0.11	...	2.50	1.90	1.35	...	...	...	...	0.08	0.08	0.84	0.73	...	...	...
		Thakurgaon	...	...	...	...	...	...	4.40	3.33	0.77	0.20	0.07	0.10	0.16	...	...	...	...	0.24	...	...
		Sataganj	2.86	0.75	0.45	0.07	0.29
		Ramganj	...	...	...	...	...	...	1.55	4.40	0.37	0.11	...	...	0.09	0.29	0.10	0.19	1.98	...	...	...
		Atwari	0.90	0.10	0.12	0.19	...	...	0.82	1.41	0.50	...	0.70	0.60	...	0.76	...	...	...	0.15	...	...
	Dinajpur	Birganj	...	0.21	...	...	...	...	3.22	1.34	0.84	1.22	0.32	...	0.09	0.76	...	...	...	0.21	0.10	...
		Farhatipur	...	...	0.12	0.02	...	...	1.68	0.72	0.25	0.07	0.30	0.25	0.30	0.14	0.15	0.10	...	...	0.15	0.42
		Jalpaiguri	...	...	0.30	...	...	...	0.25	2.45	3.05	0.47	...	...	...	2.80	...	1.50	0.80	...	0.05	0.10
	Jalpaiguri	Alipur Duars	0.45	...	1.25	0.23	...	...	1.90	5.45	3.72	0.13	...	...	0.15	1.03	...	0.10	0.53	...	0.18	0.70
		Falakata	...	...	...	0.72	...	...	1.24	0.95	2.65	0.71	0.46	0.15	...	2.24	2.35	...	1.65	...	0.02	0.50
		Debiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jalpaiguri	Bhagatpur	0.20	0.26	1.32	0.83	...	...	1.46	0.58	2.31	0.37	0.05	0.66	0.29	0.30	2.06	0.10	0.27	1.42	...	0.32
		(Nagrakata)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Buxa	0.42	1.71	0.27	0.58	...	...	2.94	2.04	1.47	0.12	1.71	0.85	0.32	4.46	...	1.55	...	1.10	0.08	0.59
	Jalpaiguri	Kalchini	0.40	...	0.66	0.03	...	...	1.52	2.47	0.61	0.45	...	...	0.28	0.21	...	0.86	0.04	0.65	0.08	0.25
		Kumargram	...	...	1.92	...	...	...	1.68	3.18	1.42	...	1.02	0.87	1.70	...	...	0.65	0.25	2.65	0.02	...
		(Bhalak)	...	...																	

BENGAL FOR THE MONTH OF AUGUST 1922—contd.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Normal rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st June up to 31st August 1922.	Normal rainfall from 1st June up to 31st August 1922.	Station.	DISTRICT.	DIVISION.
0.15	0.03	...	...	...	...	0.13	0.20	0.73	...	...	15	15.3	10.58	12.42	3.48	36.25	36.04	Contai	...	Midnapore
0.07	...	...	...	...	...	0.02	0.03	0.03	...	...	12	14.4	19.95	12.70	9.99	49.28	35.25	Tamluk.	...	...
0.03	0.06	...	...	...	...	...	...	0.14	...	...	12	15.8	13.49	11.84	6.83	47.35	32.49	Midnapore.	...	...
0.17	...	0.19	...	...	...	...	0.06	...	0.01	...	17	15.5	21.41	12.60	9.93	46.12	34.95	Ghatol.	...	...
0.80	...	...	...	...	...	0.07	0.14	0.13	0.14	...	18	15.4	14.94	11.81	5.60	48.50	36.64	Kokrabati.	...	...
...	0.23	...	...	...	...	...	1.03	2.30	...	...	15	15.8	23.47	12.87	7.90	60.53	35.11	Amagura.	...	...
0.35	...	...	...	...	...	...	...	0.10	0.20	...	18	15.3	13.72	11.44	4.35	51.09	33.35	Ranskura.	...	...
1.10	...	...	...	...	...	...	...	0.25	...	...	13	13.7	9.04	11.18	3.40	30.60	32.30	Dantan.	...	...
...	...	...	...	...	...	...	...	...	...	...	14	14.9	...	12.23	...	...	38.72	Chandrakona.	...	...
1.47	...	...	...	...	...	...	...	...	...	...	11	13.0	14.60	10.86	5.50	41.46	36.57	Pachetgarh.	...	...
0.17	0.16	...	...	...	...	...	0.10	0.04	0.22	0.05	16	13.3	16.94	11.20	8.33	42.12	37.47	Bhagwanpur.	...	...
...	...	...	...	...	...	...	...	...	...	...	13	(n)	11.90	(n)	5.70	39.22	(n)	Kes Kultikri.	...	...
0.53	...	...	...	0.19	...	0.90	0.02	...	...	0.93	18	14.9	18.42	10.46	3.00	52.15	29.74	Nayabasan.	...	...
...	...	...	...	...	...	...	...	...	...	...	14	14.8	...	9.73	...	...	31.35	Sidda (Set-pahar).	...	...
0.76	0.30	...	...	...	...	...	0.45	...	...	...	14	13.7	20.30	7.13	6.57	37.95	27.79	Chandri.	...	...
...	...	...	...	...	...	...	...	...	...	...	16	13.0	15.0	9.84	5.80	38.15	27.45	Goaltore.	...	...
...	...	...	...	...	...	...	...	0.80	...	...	11	11.1	6.9	9.34	2.35	29.30	27.45	Saiboni.	...	...
...	...	...	...	...	...	...	...	...	...	...	13	13.5	...	11.76	...	...	32.46	Narayangarh.	...	...
0.15	...	...	...	...	...	...	0.20	0.20	...	...	9	15.1	9.2	11.68	3.40	28.28	28.72	Ramnagar.	...	...
0.44	...	...	0.10	...	...	0.55	0.25	0.35	0.08	...	17	12.6	13.23	9.90	3.90	39.39	34.85	Mohanpur.	...	...
0.60	...	...	...	...	...	0.30	...	0.30	...	0.20	17	14.9	15.53	10.11	4.85	...	33.31	Jenka (Kharai).	...	...
0.28	...	...	...	...	...	...	...	...	...	0.19	13	12.3	14.4	8.27	5.05	39.92	34.47	Nandigram.	...	...
...	...	...	...	...	...	...	...	...	...	...	12	15.7	9.2	12.35	4.00	33.65	32.10	Pingla.	...	...
...	...	...	...	...	...	...	...	...	...	...	13	(n)	17.82	(n)	5.80	49.87	(n)	Narajole.	...	...
0.08	0.18	0.10	0.02	...	...	...	...	0.02	0.34	0.27	17	(n)	15.0	(n)	4.62	...	(n)	Kolihat (Daman).	...	...
0.70	...	...	...	...	...	0.01	...	...	...	0.04	12	(n)	15.8	(n)	7.66	55.33	(n)	Bailehak.	...	...
...	...	...	...	...	...	...	...	...	...	...	15	16.7	12.9	11.30	5.09	32.66	34.02	Serampur	...	Hooghly
0.08	0.01	...	...	...	0.07	0.36	0.26	1.23	...	0.01	15	15.8	15.9	10.52	6.45	49.42	31.34	Hooghly.	...	...
0.54	...	...	...	...	...	0.19	0.12	0.10	0.07	...	18	15.9	24.7	12.38	10.76	57.54	34.82	Arambagh.	...	...
...	...	...	...	...	...	...	...	...	...	...	19	17.1	19.1	11.22	9.10	60.44	34.56	Howrah	...	Howrah
0.87	...	...	...	...	...	...	0.08	0.06	...	0.18	18	16.5	26.2	12.36	11.23	63.38	37.25	Mohesreka.	...	...
0.14	0.05	...	...	...	...	...	0.04	0.05	0.02	...	16	16.4	26.8	10.31	10.60	59.26	34.03	Uluberia.	...	...
0.78	...	...	...	...	...	...	0.77	...	...	0.10	17	15.8	20.24	10.58	12.00	66.21	35.22	Amta.	...	...
...	...	...	...	...	...	...	...	...	...	...	15	11.7	7.12	10.48	1.35	37.18	31.81	Boalia	...	Boalia
0.27	0.03	...	...	0.46	...	0.09	0.20	0.04	0.73	1.00	17	16.2	11.24	11.35	2.87	35.68	34.91	Nabor.	...	...
0.42	...	...	...	...	...	1.15	0.07	0.28	0.92	0.10	14	14.7	7.57	9.89	1.35	33.87	34.25	Naugaon.	...	...
1.21	...	...	...	0.15	...	...	...	1.35	0.29	...	14	15.5	7.68	10.43	1.54	...	31.67	Bilmari.	...	...
...	...	...	...	0.62	0.08	0.56	0.16	1.56	...	0.24	13	13.6	3.7	10.27	0.90	38.53	33.21	Manda.	...	...
0.25	...	...	...	...	...	...	...	0.90	0.74	...	7	14.7	...	11.76	...	35.51	35.51	Mahadebpur.	...	...
1.03	...	...	...	...	...	...	...	0.63	...	...	10	15.6	7.4	8.74	2.73	45.38	30.26	Tauor.	...	...
...	...	...	...	...	...	...	...	...	...	...	12	(n)	8.42	(n)	1.50	40.02	(n)	Chaugram.	...	...
...	...	...	0.30	0.15	0.80	...	...	0.99	0.65	...	15	(n)	8.92	(n)	3.92	...	(n)	Joari.	...	...
...	...	...	...	...	...	...	...	...	...	...	16	14.0	11.5	10.53	3.00	46.15	34.02	Nitpur	...	Dinajpur
0.80	...	...	...	0.18	1.00	1.00	3.00	0.50	0.05	...	14	13.2	14.0	13.94	2.16	49.40	46.21	Nawabganj.	...	...
0.07	0.08	...	...	...	1.50	1.50	2.16	1.70	0.87	0.60	14	15.4	8.05	13.55	1.45	43.98	49.26	Gangarampur.	...	...
...	0.47	...	...	1.81	...	...	...	0.65	1.45	...	15	15.4	13.07	2.90	2.35	43.41	38.08	Churamon.	...	...
1.26	...	...	1.35	0.40	0.60	...	...	...	2.55	0.22	15	15.4	...	...	...	41.66	41.66	Raiganj.	...	...
...	...	...	...	...	...	...	...	...	...	...	19	15.7	21.42	1.73	4.65	56.71	41.91	Dinajpur.	...	...
0.12	...	...	0.10	4.65	1.15	...	...	0.06	0.15	1.55	13	15.5	23.35	0.73	3.90	89.34	36.93	Balughat.	...	...
0.05	...	...	...	0.23	...	5.00	0.85	3.15	1.80	2.22	19	15.8	20.89	0.95	4.67	79.82	53.51	Thakurgaon.	...	...
...	0.13	...	1.56	4.67	1.15	...	...	0.41	0.33	0.80	9	14.9	17.75	...	7.90	77.70	44.98	Seabaganj.	...	...
...	...	...	7.90	1.50	...	...	...	1.22	0.90	...	15	16.7	19.54	...	4.40	78.49	47.68	Ramganj.	...	...
0.05	...	0.08	2.30	2.55	2.03	...	0.19	...	0.32	0.15	24	18.8	14.92	...	2.00	73.87	69.95	Atwari.	...	...
...	0.80	0.40	0.16	0.40	...	0.27	...	0.05	0.40	1.82	15	15.6	16.09	...	3.98	67.43	46.66	Birganj.	...	...
...	...	...	3.58	1.44	...	...	...	0.22	0.40	...	20	15.6	8.74	...	1.68	38.47	43.74	Parbatipur.	...	...
0.02	...	...	0.08	1.60	0.20	0.10	0.11	1.05	0.41	0.25	20	15.6	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	19	19.0	25.04	...	3.92	92.99	79.78	Jalpaiguri	...	Jalpaiguri
0.30	...	3.75	2.85	0.05	0.25	...	0.10	...	0.65	0.25	22	17.7	34.26	...	6.94	105.38	88.11	Alipur Duars	...	...
0.06	...	5.25	6.94	2.76	...	...	0.14	...	0.19	1.30	17	18.3	22.34	...	5.09	93.89	72.72	Paikata.	...	...
...	...	5.08	...	...	0.67	0.27	0.13	0.55	1.62	0.75	17	16.3	...	...	...	...	54.06	Debiganj.	...	...
0.96	0.58	0.24	1.61	0.29	0.06	0.68	0.54	...	0.56	0.93	26	22.7	19.57	...	2.31	56.74	95.96	Bhagatpur (Nagrakata).	...	...
0.43	2.59	1.75	0.53	2.76	2.34	3.69	1.80	0.12	2.62	0.40	29	23.8	40.19	...	4.46	126.45	133.70	Buxa.	...	...
0.26	...	2.90	3.52	0.58	0.17	0.11	0.08	1.35	...	0.90	23	21.6	21.95	...	3.52	95.42	94.40	Kalchini.	...	...
...	4.82	5.92	0.05	...	0.10	...	...	0.25	5.30	0.83	19	19.0	34.48	...	5.92	...	101.75	Kumargram (Bhalika).	...	...
...	...	1.22	1.02	...	0.03	...	...	0.90	0.40	0.55	16	21.3	17.4	...	3.20	86.03	84.73	Siliguri	...	Darjeeling
1.23	0.93	3.25	0.31	1.57	0.32	0.03	0.56	0.11	0.82	0.41	26	24.2	27.7	...	4.59	88.56	81.44	Darjeeling.	...	...
0.80	0.05	0.09	0.06	1.14	0.01	0.06	0.48	0.74	2.18	0.19	14	20.2	19	...	3.39	67.46	60.61	Kalimpong.	...	...
2.58	0.87	0.23	0.11	2.60	0.01	...	1.03	0.46	1.39	0.20	23	22.1	24.7	...	3.01	92.48	82.88	Monrope.	...	...
2.78	0.10	0.11	...	4.30	0.36	3.30	2.78	1.70	0.75	0.57	27	26.4	38.77	...	4.30	152.23	111.03	Kurseong.	...	...
0.45	0.24	0.20	0.29	1.04	1.03	0.11	0.23	1.50	3.40	0.64	29	26.7	22.67	...	3.40	72.50	65.59	Pedong.	...	...
...	...	...	...	...	...	...	...	...	...	...	11	13.8	12.29	...	3.70	52.53	40.7	Bhawaniganj (Sambandha).	...	Rangpur
0.10	...	...	...	...	0.90	...	...	2.15	0.26	0.43	14	13.8	...	...	1.05	43.26	46.7	Rangpur.	...	...
0.35	...	...	0.10	1.12	0.68	1.04	0.58	0.21	0.49	0.61	14	14.7	14.85	...	2.90	55.30	43.7	Pirganj.	...	...
...	...	...	0.15	0.70	0.16	...	...	1.70	0.40	2.00	8	12.5	12.98	...	4.45	46.35	...	Kuliganj.	...	...
...	...	...	0.05	0.08	0.20	...	...	...	0.20	0.10	12	14.0	...	...	...	...	...	Gobindganj.	...	...
...	...	...	0.10	0.13	0.94	...	...	...	0.30	0.30	12	16.0	4.41	...	0.94	43.94	...	Bagdogra (Nilphamari).	...	...
...																		

DAILY RAINFALL RECORDED IN

DIVISION.	DISTRICT.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
RAJ-SHAHI —conclid.	Malda	Malda	5.11	1.42	0.55	0.15	0.42	2.05	0.26	1.08	0.05	...	...	...	...	...	...	...	...	0.03	...	0.02
		Chanchal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gazol	0.03	0.41	0.43	...	...	0.44	0.33	0.85	0.13	...	...	...	...	...	0.41	0.14	...	...	...	0.10
		Sibganj	...	...	0.43	0.80	0.85	0.96	0.62	...	...	...	...	0.32	...	...	...	...	...	...	0.25	0.80
		Gumastapur	0.34	0.30	...	0.93	0.51	2.82	1.91	1.00	0.71	1.25	0.21
		Nawabganj	0.20	0.25	0.50	0.05	0.25	2.50	...	0.37	0.51	...
	Dacca	Munshiganj	2.03	0.63	0.50	0.23	0.98	2.09	1.21	0.25	1.15	3.10	0.16	0.19	...	0.10	0.13	...
		Dacca	1.03	0.11	0.20	0.13	0.48	0.83	6.12	0.42	0.93	2.78	0.32	0.03	0.83	0.09	0.03	0.04	0.29	0.02	0.18
		Nawabganj	2.62	0.30	0.48	0.65	1.05	0.30	0.33	2.78	0.15	0.03	...	0.02	...	0.29	0.50
		Narayanganj	0.84	0.15	0.75	0.19	0.20	1.09	0.96	0.23	1.54	3.38	0.08	...	0.11	0.09	0.06	...	0.09	0.03	0.05
Naraindi		0.22	0.95	0.47	0.02	1.16	0.82	6.42	0.85	1.41	0.81	0.03	0.16	0.03	0.75	...	...	...	0.07	0.57	0.02	0.19
Dacca	Mymensingh	Manikganj	0.20	0.42	1.40	0.60	0.10	0.53	0.32	2.65	0.63	1.35	0.10	...	0.93	0.10	0.05	...	...	0.21	0.45	0.55
		Joydebpur	1.14	1.12	0.11	3.30	0.48	1.50	1.05	0.24	2.23	0.03	0.14	...	0.07	0.12	...	...	0.04	0.18	0.05	...
		Kapasia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kishanganj	0.06	0.65	0.18	...	0.05	1.4	1.18	1.27	0.43	0.75	0.54	0.50	...	0.16	0.13	0.01	0.05	...	0.05	0.17	
		Atia (Tangail)	...	0.15	0.19	0.21	1.12	0.7	0.12	1.90	...	0.15	...	0.29	0.35	...	...	...	...	...	...	...
	Faridpur	Sariaabari	0.44	...	0.11	0.33	0.11	2.1	1.21	1.60	0.29	...	0.14	...	0.10	0.05	0.06	...	...	0.96	0.85	0.05
		Mymensingh	...	0.50	0.02	...	0.04	1.1	1.42	1.62	1.23	0.09	0.62	...	0.18	0.65	0.23	...	...	...	...	0.18
		Jamalpur	0.09	0.19	...	...	...	0.1	1.72	0.53	1.11	0.12	...	...	0.21	...	...	...	...	...	0.56	0.13
		Netrokona	0.25	0.10	0.19	0.42	0.12	0.1	0.60	2.42	1.38	0.17	...	0.03	1.86	0.02	0.50	0.12	0.20	0.08	1.32	0.82	
		Pingna	0.15	0.10	0.80	0.96	2.20	2.1	2.16	3.30	...	...	0.45	2.45	0.27	...	0.20	...	...	1.92	...	...
Dacca	Faridpur	Dewanganj	0.90	...	...	0.35	...	0.1	3.24	0.55	1.23	0.10	0.06	1.00	0.83	...	...	...	...	...	0.70	0.20
		Nalitabari	...	0.48	...	0.22	...	1	2.35	2.55	2.18	0.08	0.21	...	6.25	1.10	0.05	...	...	...	0.15	...
		Madaipur	...	...	0.43	...	...	1.34	2.50	0.40	...	0.45	0.16	0.45	2.24	1.08	0.22	0.76	...	...	1.80	0.70
		Faridpur	0.25	0.34	0.89	0.14	3.82	0	0.37	0.79	0.90	...	...	0.55	...	0.11	0.21	0.13	0.09	...	0.11	0.50
		Rajbari (Goulundo)	1.50	0.40	0.64	0.12	0.32	1	0.97	1.86	0.40	0.07	0.01	0.50	0.62	0.01	...	...	...	0.05	0.35	...
	Chittagong	Rajbari	0.19	0.34	1.25	...	0.08	0	0.45	0.06	0.18	0.25	0.10	0.04	...	...	...	...	...	...	0.02	0.1
		Haridaspur	0.47	0.36	0.58	4.95	0.83	0	0.95	2.40	0.05	0.14	0.88	...	0.94	0.59	0.03	...	0.37	...	0.29	0.36	
		Takerbat	0.12	1.07	0.1	6.18	0.16	0	0.13	0.38	0.22	0.13	0.02	0.94	0.59	0.03	0.03	0.01	0.06	0.02	0.62	0.31	
		Bhanga	0.34	0.50	0.79	...	2.05	0	1.57	0.15	0.50	0.08	1.27	0.88	0.62	...	...	0.10	0.07	0.05	0.04	0.20
		Pangsa	1.50	...	0.35	...	...	0	0.40	4.22	0.15	...	0.50	0.40	0.15	...	...	0.10	0.75	0.50	...	0.60
Chittagong	Bellakandi	0.24	0.12	1.44	0.21	...	2.3	0.95	0.90	0.34	0.43	1.66	0.62	...	0.42	...	0.11	...	0.08	0.25	0.16		
	Rhusna	2.18	0.25	0.24	0.26	0.50	2.5	2.75	1.83	0.85	0.03	0.07	0.42	0.12	0.59	0.01	0.05	0.03	...	0.06	0.08		
	Palong	...	0.22	0.72	...	3.00	0.6	0.60	0.50	1.20	0.16	0.05	...	...	0.14	0.15	0.07	...	...	0.40	0.80	
	Bakarganj	Patuakhali	0.82	2.15	1.46	2.04	1.55	0	0.43	...	0.45	1.02	0.04	0.23	...	...	1.21	0.12	0.20	0.35	0.82	0.85
	Barguna	2.45	1.75	0.17	1.05	1.95	0	1.15	...	0.85	...	0.24	0.08	0.06	...	0.11	...	0.10	0.19	0.82	...		
Chittagong	Bakarganj	Prozpur	4.56	0.61	1.26	0.90	0.02	0.16	0.11	...	...	...	...	...	0.45	0.08	0.13	0.08	...	0.70	0.23	
		Barisal	0.14	0.33	0.42	1.20	0.31	0.36	...	2.90	...	0.96	0.39	0.06	...	0.07	0.08	0.12	0.32	0.03	0.53	0.60	
		Gauranadi	0.47	0.45	0.55	0.25	0.75	1	0.42	...	2.21	1.61	0.45	0.19	...	1.15	0.20	0.02	0.15	0.12	0.07	0.25	
		Bhola	0.20	1.27	2.65	0.93	0.74	1.38	0.37	3.55	0.25	0.50	...	...	...	0.32	0.15	0.30	0.10	0.30	...	...
		Daulatkhana	1.03	0.45	1.63	0.16	0.65	...	6.36	3.02	0.15	...	...	...	0.03	0.23	0.09	0.29	0.11	0.81	0.61	0.43
	Chittagong	Bauphal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Cox's Bazar	3.57	1.52	1.52	1.17	4.40	1	0.15	0.35	2.23	1.34	1.57	0.30	0.01	...	0.07	0.08	0.0	0.04	0.03	1.05	
		Chittagong	0.94	2.70	1.79	1.43	1.27	2	1.96	0.94	2.12	1.24	1.24	0.50	0.01	0.10	0.16	0.05	0.04	0.17	0.25	0.03	
		Kutubdia	1.03	2.50	2.24	2.30	3.00	1	0.60	1.73	2.41	2.75	2.37	0.14	...	...	...	...	...	...	...	0.45
		Satkania	3.25	0.68	1.65	2.05	1.60	0	0.75	2.55	2.50	...	0.70	...	...	0.30	...	...	...	1.10	...	...
Chittagong	Tippera	Kodalia	0.63	1.15	0.83	0.83	2.45	3	1.90	1.60	0.65	0.60	...	0.70	0.89	0.23	...	...	0.50	0.32	0.07	0.08
		Mirsarai	1.46	2.70	1.00	0.95	2.50	10	1.20	9.50	2.05	0.90	0.18	0.04	1.92	...	0.06	0.05	0.48	0.15	0.19	...	
		Comilla	0.23	0.65	1.55	0.22	0.1	27	0.79	0.15	0.50	1.25	0.10	0.45	...	3.50	0.40	0.10	...	0.40	0.09	0.05	
		Chandpur	0.86	0.88	0.26	1.82	12	0.70	4.37	1.05	...	...	...	...	0.05	0.67	...	...	0.10	0.10	0.29	0.27
		Brahmanbaria	0.41	0.23	0.53	0.07	64	5.14	0.42	3.44	0.62	...	1.68	0.46	0.38	0.93	0.21	0.03	0.50	0.02	0.03	...	
	Tippera	Ramchandrapur	0.66	0.93	...	0.32	80	2.28	2.21	2.92	...	0.55	...	1.00	...	...	...	0.65	...	...	...	...
		Nasirnagar	1.38	1.28	40	0.25	2.95	0.93	1.70	0.87	...	0.45	0.38	0.67
		Daudkandi	0.22	1.10	0.15	0.23	15	0.75	1.26	2.97	0.20	...	0.26	0.49	0.42	0.40	0.40	0.10	0.40	0.80	0.60	...	
		Kasba	0.37	...	0.36	...	68	0.27	0.95	...	...	...	...	0.20	0.45	0.40	...	0.15	0.10	...	...	...
		Laksam	0.16	0.62	1.75	0.26	55	0.07	...	0.22	0.80	0.25	0.05	...	...	...	...	...	...	0.40	0.16	...
Chittagong	Noakhali	Noakhali	0.45	0.88	2.60	1.62	6	0.08	...	0.90	0.62	0.40	0.04	...	1.10	0.26	0.07	0.10	0.32	...	0.63		
		Feul	0.11	0.35	2.05	1.26	1	1.26	1.1	1.46	1.76	0.62	1.09	0.76	...	...	...	0.23	0.78	0.08	0.03	...
		Harishpur	0.34	1.79	1.87	1.58	0	0.37	0.65	3.47	1.91	1.09	0.14	0.32	1.05	0.09	0.11	...	...	0.19	0.27	...
		Ramganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chhaganmaya	1.52	1.23	1.96	1.37	0.18	1.61	2.40	3.75	1.25	2.20	0.08	1.71	0.43	...	...	...	0.55	0.28	...	...
	Chittagong	Hatiya	15	0.60	2.10	3.22	1.80	0.82	0.54	0.25	0.30	...	0.10	0.45	0.30	...	0.85	...	...	1.15	0.99	...
		Lakshmipur	...	...	0.78	1.05	...	...	1.23	0.12	1.40	...	...	...	0.72	0.70	0.88	...	0.12	0.23	0.21	...
		Rangamati	38	0.54	0.92	1.47	1.50	6.50	3.50	1.85	0.33	0.20	...	...	1.28	0.50	0.02	...	0.61	1.15	0.22	...
		Baudarban	0	1.50	3.10	0.16	1.20	2.50	1.50	1.16	0.64	0.10	...	0.54	0.40	...	...	...	0.90	...	0.16	...
		Barkal	0	0.52	0.59	0.56	1.50	2.25	1.25	0.50	0.68	0.30	0.80	2.50	0.75	0.12	0.18	0.30	2.90	...	...	...
Chittagong	Tracta.	Mahaicheri	0	0.50	0.10	0.30	1	1.50	1.10	0.50	...	...	0.01	0.50	...	...	...	...	1.15	...	0.50	...
		Lama	...	3.55	1.13	0.51	0.91	3.41	1.40	3.38	0.53	0.88	...	0.13	0.15	0.09	...	...	...	...	...	...
		Ramgarh	0	1.72	0.15	0.27	0.70	4.34	2.75	1.97	1.74	0.54	2.98	1.10	...	...	3.97	0.62	0.04	0.23	...	...
		Manikseri	...	0.65	1.66	0.31	2.50	1.55	3.82	0.45	0.73	0.81	0.37	0.47	0.73	...	...	...	2.44	0.49	...	...
		Dighinala	0.1	0.14	0.35	0.25	1.90	0.70	0.65	1.85	0.40	...	...	1.19	1.05	0.50	0.18	2.26	0.20	1.54	...	...

Not received.

DACCA, *the 12th September 1922.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Normal rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st June up to 31st August 1922.	Normal rainfall from 1st June up to 31st August 1922.	Station.	DISTRICT.	DIVISION.
0.74	0.07	...	0.51	0.04	1.48	0.03	0.14	12	14.7	9.15	10.64	2.05	41.50	31.69	Malda	...	RAJSHAH
1.20	0.22	0.82	2.94	0.60	0.03	14	15.1	9.38	12.45	2.91	48.02	37.98	Chanchal.	...	—contd.
...	0.72	0.81	0.65	0.96	0.55	...	13	14.9	9.10	10.14	0.96	39.66	31.08	Gazol.	...	
0.30	0.12	...	0.39	...	0.43	...	0.72	15	15.7	11.94	10.26	2.81	48.10	37.96	Sibganj.	...	
...	1.50	8	15.7	6.13	10.57	2.50	...	32.52	Gomastapur.	...	
...	Nawabganj.	...	
...	0.06	...	0.27	...	5.21	4.10	0.27	0.52	0.17	...	20	18.1	23.32	13.73	5.21	55.06	41.81	Munshiganj	...	Dacca
0.02	0.21	0.42	0.06	0.50	0.44	1.73	...	19	17.5	19.27	12.92	6.12	47.41	39.49	Dacca.	...	
...	0.07	0.10	0.54	2.05	4.50	0.72	...	17	12.7	18.05	11.21	4.50	38.90	41.11	Nawabganj.	...	
0.03	0.28	0.04	...	0.06	0.22	2.42	0.40	0.29	...	0.09	16	18.4	15.19	13.27	3.88	38.43	40.96	Narayanganj.	...	
0.05	...	0.01	0.05	1.85	0.95	0.75	0.43	0.08	17	14.8	19.13	11.64	6.42	40.40	38.86	Naraindi.	...	
0.10	0.53	...	0.24	0.50	21	15.6	12.62	11.56	2.65	33.75	34.60	Manikganj.	...	
...	1.00	0.20	1.20	0.03	0.56	0.48	1.20	0.05	0.03	...	18	17.4	16.46	14.00	3.80	46.25	41.23	Joydebpur.	...	
...	Kapasia.	...	
...	...	0.06	2.36	0.72	0.58	0.18	0.25	17	17.1	1.79	14.39	2.36	39.72	47.44	Kishorganj	...	Mymensingh
...	0.75	0.16	0.29	1.32	0.56	0.62	...	18	14.6	8.90	11.07	1.90	33.16	34.32	Atia (Tangail).	...	
0.60	0.15	...	0.11	0.02	0.29	0.23	0.43	0.01	18	16.4	9.32	13.65	2.13	37.37	41.35	Sacisabari	...	
0.03	0.19	0.03	...	2.05	0.63	0.82	1.06	0.05	13	19.3	2.54	15.36	2.05	44.60	50.68	Mymensingh.	...	
...	0.62	1.25	...	0.20	0.40	0.39	0.23	0.15	15	16.9	8.01	13.70	1.72	46.30	42.72	Jamulpur.	...	
...	0.03	...	0.40	0.72	...	0.15	0.23	0.10	0.47	0.02	22	21.8	7.00	20.75	3.42	53.20	64.32	Netrokona.	...	
...	Pinna.	...	
0.05	...	4.14	0.90	1.90	1.50	17	21.8	2.26	30.05	4.14	73.42	87.21	Durgapur.	...	
...	0.0	0.08	...	0.38	0.50	0.32	0.60	...	15	17.7	3.53	16.65	3.24	51.22	49.92	Shepur	...	Dacca
...	(Tosen).	...	
0.45	1.40	0.10	0.05	0.61</													

(n) Not ascertained.

J. GHOSH, for *of Agriculture, Bengal.*

Vital Statistics of Towns with a population of 50,000 and over of Bengal Presidency for the week ending Saturday, the 11th February 1922.

District.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1921.		BIRTH-REGISTERED.		DEATHS REGISTERED.														Total of all causes.			Total of corresponding week of the previous year.								
			Male.	Female.	Number registered (excluding still-births).	Still-born number registered.	Cholera.	Small-pox.	Plague.	Malaria.	Enteric fever.	Measles.	Relapsing fever.	Kala-azar.	Other fevers.	Dysentery.	Diarrhoea.	Influenza.	Pneumonia.	Phthisis.	Other respiratory diseases.	Injuries.	Deaths from child-birth.	Other causes.	Male.	Female.	Total.	Male.	Female.	Total.		
1	Calcutta	...	617,590	290,361	907,951	355	19	15	20	1	21	8	1	6	17	28	8	14	66	55	23	15	...	...	1	209	329	249	578	440	337	777
3	Howrah	...	28,472	66,521	195,301	85	5	11	11	...	12	1	...	...	26	12	6	...	13	2	26	1	...	...	...	36	80	76	156	114	87	201
4	Dacca	...	67,333	52,117	119,450	85	2	...	1	...	2	...	...	1	10	1	3	1	4	...	3	...	...	...	...	32	21	37	58	42	25	67
5	Maniktaina	...	40,996	26,376	67,372	18	1	1	1	...	2	...	1	...	2	6	...	...	2	...	2	7	...	...	...	22	25	20	45	26	20	46
6	Bhatpara	...	45,723	19,886	65,609	13	...	...	...	...	...	...	...	...	10	...	...	...	...	...	...	...	...	...	...	2	6	8	12	5	2	7
7	Cossipur-Chitpur.	...	36,289	20,185	56,474	18	...	1	...	...	...	...	...	...	3	1	...	...	2	...	...	1	...	...	...	8	9	7	16	18	13	31
8	Titagarh	...	36,533	15,918	52,451	15	...	...	...	...	...	...	...	...	10	5	...	...	...	...	...	2	...	3	...	9	12	21	13	18	33	

CALCUTTA, the 30th August 1922.

CHAS. A. BENTLEY, Director of Public Health, Bengal.

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	8th Sept. 1922	6 A.M. ...	126.80'	0.00'	126.80'	0.20'	...	124.40'	117.70'	
	8th "	6 "	27.70'	56.319'	84.019'	0.10'	...	82.169'	77.019'	
	8th "	8 hours ...	23.80'	4.896'	28.696'	0.10'	...	29.196'	26.596'	
Brahmaputra	8th "	8 A.M. ...	23.00'	135.18'	158.18'	...	0.30'	156.28'	160.58'	
	8th "	12 hours ...	38.80'	1.509'	40.309'	Steady		41.109'	41.709'	
	8th "	8 A.M. ...	18.20'	314.18'	332.38'	...	0.30'	329.68'	330.88'	
Meghna	"	6 hours ...	10.23'	1.61'	90.04'	...	0.08'	20.78'	20.78'	
	"	"	13.92'	1.61'	15.53'	1.17'	...	15.03'	13.86'	
	"	"	30.60'	1.509'	32.109'	0.05'	...	29.259'	31.009'	
Bhagirathi	8th "	7 A.M. ...	29.40'	- 8.62'	20.78'	Steady.		20.18'	19.88'	
	8th "	6 "	26.86'	1.509'	28.369'	0.15'	...	29.249'	19.969'	
	8th "	6 "	11.00'	92.58'	103.58'	...	1.00'	104.08'	99.58'	
Damodar	"	6-30 "	23.72'	- 5.59'	18.20'	...	0.04'	17.83'	17.53'	
Lakhya	8th "	6 "	14.80'	- 0.599'	14.201'	...	0.05'	13.801'	12.351'	
Madaripur Bil Route (Lower Kumar).	8th "	6 "								

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Brahmaputra	Monghyr ...	9th Sept. 1922	6 A.M. ...	127.00'	0.00'	127.00'	...	0.20'	...	117.50'
	Rajmahal ...	9th " "	6 " "	27.95'	56.319'	84.269'	...	0.25'	...	76.769'
	...	9th " "	8 hours ...	23.80'	4.896'	28.696'	Steady	28.896'	...	26.696'
Meghna	Sirajganj ...	9th " "	12 hours ...	38.70'	1.509'	40.209'	...	0.10'	...	159.98'
	Dibrugarh ...	9th " "	8 A.M. ...	17.80'	314.18'	331.98'	...	0.40'	...	41.709'
	Bhairab Bazar ...	9th " "	6 hours	19.25'	1.61'	20.86'	...	0.08'	...	20.69'
Dhaleswari	Chandpur ...	9th " "	9.20 "	13.08'	1.61'	14.69'	...	0.83'	...	14.11'
	Fenchuganj ...	9th " "	7 "	30.75'	1.509'	32.259'	...	0.15'	...	30.909'
	Sabhar ...	9th " "	7 A.M. ...	29.40'	-8.62'	20.78'	Steady	19.98'	...	19.78'
Bhagirathi	Swarupganj ...	9th " "	6 " "	27.14'	1.509'	28.649'	...	0.28'	...	20.039'
Damodar	Edilpur ...	9th " "	6 " "	11.25'	92.58'	103.83'	...	0.25'	...	98.08'
Lakhya	Narayanganj	9th " "	6.30 "	23.92'	-5.59'	18.33'	...	0.12'	...	17.70'
Madaripur Bil Route (Lower Kumar).	Takerhat ...	9th " "	6 "	14.85'	-0.599'	14.251'	...	0.05'	...	12.501'

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges	10th Sept. 1922	6 A.M.	127.30'	0.00'	127.30'	0.30'	...	123.70'	117.50'	
	10th "	6 "	28.05'	56.319'	84.369'	0.10'	...	81.369'	77.069'	
	10th "	8 hours	23.90'	4.896'	28.796'	0.10'	...	28.596'	26.796'	
Brahmaputra	10th "	8 A.M.	22.40'	135.18'	157.58'	...	0.30'	156.98'	159.28'	
	10th "	12 hours	38.60'	1.509'	40.109'	...	0.10'	40.609'	41.609'	
	10th "	8 A.M.	17.70'	314.18'	331.88'	...	0.10'	330.88'	329.78'	
	10th "	8 A.M.	19.25'	1.61'	20.86'	Steady	...	20.61'	20.69'	
Dhaleswari	10th "	10 "	13.17'	1.61'	14.78'	0.08'	...	14.19'	14.36'	
	10th "	7 "	30.85'	1.509'	32.359'	0.10'	...	29.109'	30.759'	
	10th "	7 A.M.	29.40'	- 8.62'	20.78'	Steady	...	19.68'	19.88'	
	10th "	6 "	27.27'	1.509'	28.779'	0.13'	...	28.779'	19.839'	
Bhagirathi	10th "	6 "	9.75'	92.58'	102.33'	...	1.50'	100.91'	98.66'	
Damodar	10th "	6 "	23.92'	- 5.59'	18.33'	Steady	...	17.33'	17.87'	
Lakhya	10th "	6-30 "	14.90'	- 0.599'	14.301'	0.05'	...	13.601'	12.601'	
Madaripur Lil Route (Lower Kumar).	10th "	6 "								

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Brahmaputra	11th Sept. 1922	6 A.M.	127.40	0.00	127.40	0.10	...	123.50	118.50	
	11th "	6 "	28.20	56.319	84.519	0.15	...	81.119	77.569	
	11th "	8 hours	23.80	4.896	28.696	...	0.10	28.396	26.696	
	11th "	...	21.90	135.18	157.08	...	0.50	157.38	158.38	
Meghna	11th "	8 A.M.	17.40	314.18	331.58	...	0.10	40.909	41.609	
	11th "	6 hours	19.17	1.61	20.78	...	0.08	20.44	20.86	
	11th "	10.30	13.00	1.61	14.61	...	0.17	13.86	14.36	
	11th "	7 "	30.30	1.509	32.409	0.05	...	29.009	30.659	
Dhaleswari	11th "	7 A.M.	29.40	-8.62	20.78	Steady	...	19.48	19.88	
	11th "	6 "	27.29	1.509	28.799	0.02	...	28.649	21.329	
	11th "	6 "	9.17	92.58	101.75	...	0.58	100.33	108.83	
	11th "	6.30	23.83	-5.59	18.24	...	0.08	17.12	17.99	
Madaripur Bil Route (Lower Kumar).	11th "	6 "	14.90	-0.599	14.301	Steady	...	13.501	12.701	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	12th Sept. 1922	6 A.M. ...	127.30'	0.00'	127.30'	...	0.10'	123.50'	118.80'	
	12th "	6 "	28.25'	56.319'	84.569'	0.05'	...	81.119'	78.619'	
	12th "	8 hours ...	23.70'	4.896'	28.596'	...	0.10'	28.196'	26.796'	
Brahmaputra ...	12th "	8 A.M. ...	21.30'	135.18'	156.48'	...	0.60'	157.68'	157.88'	
	12th "	12 hours ...	38.30'	1.509'	39.809'	...	0.20'	41.109'	41.709'	
	12th "	8 A.M. ...	17.10'	314.18'	331.28'	...	0.30'	332.08'	329.38'	
Meghna ...	12th "	7 "	12.67'	1.61'	20.78'	...	0.33'	20.36'	20.90'	
	12th "	7 "	30.95'	1.509'	32.459'	0.05'	...	13.36'	14.61'	
	12th "	7 A.M. ...	29.40'	- 8.62'	20.78'	Steady	...	28.939'	30.609'	
Bhagirathi ...	12th "	6 "	27.30'	1.509'	28.809'	0.01'	...	19.38'	19.88'	
	12th "	6 "	7.75'	92.58'	100.33'	...	1.42'	28.439'	23.549'	
	12th "	6-30 "	23.75'	- 5.59'	18.16'	...	0.08'	105.08'	105.33'	
Madaripur Bil Route (Lower Kumar).	12th "	6 "	14.85'	- 0.599'	14.251'	...	0.05'	16.93'	18.12'	
	12th "	6 "	14.85'	- 0.599'	14.251'	...	0.05'	13.401'	12.701'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Monghyr	13th Sept. 1922	6 A.M.	127.20'	0.00'	127.20'	...	0.10'	123.60'	119.10'	
	13th "	6 "	28.35'	56.319'	84.669'	0.10'	...	81.019'	78.819'	
	13th "	8 hours	23.60'	4.896'	28.496'	...	0.10'	28.096'	26.996'	
Brahmaputra	13th "	12 hours	20.90'	135.18'	156.08'	...	0.40'	158.58'	156.78'	
	13th "	8 A.M.	38.10'	1.509'	39.609'	...	0.20'	41.509'	42.109'	
	13th "	8 A.M.	16.90'	314.18'	331.08'	...	0.20'	332.38'	320.28'	
Meghna	13th "	6 hours	19.08'	1.61'	20.69'	...	0.08'	20.19'	20.94'	
	13th "	11.30 "	12.67'	1.61'	14.28'	...	Steady	13.28'	14.86'	
	13th "	7 "	30.95'	1.509'	32.459'	...	Steady	28.909'	30.309'	
Dhaleswari	13th "	7 A.M.	29.30'	-8.62'	20.68'	...	0.10'	19.18'	19.98'	
Bhagirathi	13th "	6 "	27.29'	1.509'	28.799'	...	0.01'	28.369'	25.493'	
Damodar	13th "	6 "	6.75'	92.58'	99.33'	...	1.00'	106.83'	103.25'	
Lakhya	13th "	6.30 "	23.60'	-5.59'	18.01'	...	0.14'	16.83'	18.16'	
Madaripur Bil Route (Lower Kumar).	13th "	6 "	14.80'	-0.599'	14.201'	...	0.05'	13.251'	12.701'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 14th September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	14th Sept. 1922	6 A.M. ...	126·80'	0·00'	126·80'	...	0·40'	123·90'	118·70'	
	14th "	6 "	28·25'	56·319'	84·569'	...	0·10'	81·119'	78·769'	
	14th "	8 hours ...	23·50'	4·896'	28·396'	...	0·10'	27·996'	27·396'	
Brahmaputra	14th "	8 A.M. ...	20·20'	135·18'	155·38'	...	0·70'	159·08'	155·68'	
	14th "	12 hours ...	37·90'	1·509'	39·409'	...	0·20'	41·709'	42·509'	
	14th "	8 A.M. ...	16·30'	314·18'	330·48'	...	0·60'	333·38'	330·28'	
M... ..	14th "	12 "	19·00'	1·61'	20·61'	...	0·08'	20·19'	20·91'	
	14th "	7 "	12·42'	1·61'	14·03'	...	0·25'	13·11'	15·36'	
	14th "	7 "	30·95'	1·509'	32·459'	Steady		28·809'	30·259'	
Dnaleswarr	14th "	7 A.M. ...	29·20'	- 8·62'	20·58'	...	0·10'	19·18'	19·98'	
	14th "	6 "	27·22'	1·509'	28·729'	...	0·07'	28·519'	26·489'	
	14th "	6 "	6·25'	92·58'	98·83'	...	0·50'	103·58'	102·58'	
Laknya ...	14th "	6·30 "	23·44'	- 5·59'	17·85'	...	0·17'	16·69'	18·33'	
	14th "	6 "	14·70'	- 0·599'	14·101'	...	0·10'	13·151'	12·851'	
	14th "	6 "								
Madaripur Bil Route (Lower Kumar).	14th "	6 "								

Statement showing the gauge readings at Dacca Water-works station on the river Buriganga for the week ending 2nd September 1922.

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 5 P.M.	REMARKS.
		Time.	Readings.	Time.	Readings.		
1922.							
27th Aug.	67.5	...	...	...	...	67.5	
28th "	67.6	...	...	...	...	67.65	
29th "	67.7	...	...	...	...	67.6	
30th "	67.5	...	...	...	...	67.4	
31st "	67.3	...	...	...	...	67.25	
1st Sept. ...	67.15	...	...	...	...	67.1	
2nd "	67.0	...	...	...	...	67.0	

Notable high and low water-levels of previous years.

					High.
27th August	1906	...	...	...	70.5
5th September	1909	...	...	...	67.86
10th August	1910	...	...	...	69.86
1st "	1911	...	...	...	68.46
13th "	1912	...	...	...	67.16
31st "	1915	...	...	...	69.7
18th "	1916	...	...	...	68.1
12th "	1917	...	...	...	67.1
31st "	1918	...	...	...	69.12
2nd "	1919	...	...	...	66.8
8th September	1920	...	...	...	66.9
28th July	1921	...	...	...	68.4
					Low.
23rd February	1907	...	...	...	51.06
13th "	1908	...	...	...	51.06
12th March	1912	...	...	...	51.06
6th "	1914	...	...	...	50.60
22nd February	1915	...	...	...	50.80
15th "	1916	...	...	...	50.60
3rd March	1917	...	...	...	51.0
21st February	1918	...	...	...	51.40
26th "	1919	...	...	...	50.4
18th "	1920	...	...	...	50.9
19th "	1921	...	...	...	50.9

N.B.—Zero of the gauge at Dacca Water-works = -48.51 with reference to P. W. D datum.

CALCUTTA, the 8th September 1922.

B. L. SUBARWAL, *Executive Engineer,*
Khulna Division.

Statement of weekly gauge-readings on the river Ganges at Rampur, Boalia for the week ending 9th September 1922.

Date.	Hour.	Height of surface above zero.	Height of surface above P. W. D. datum.	Height of surface above P. W. D. datum on the same date last year.	Remarks.
1922.					
3rd September	8 A.M.	60.70	60.70	60.70	P. W. D. datum 6.25 ft. above—Kidderpore old dock sill.
4th "	8 "	60.75	60.75	60.75	
5th "	8 "	60.85	60.85	60.80	B. M. on College step
6th "	8 "	61.00	61.00	60.80	64.93
7th "	8 "	61.05	61.20	60.70	Zero value of gauge 0.00.
8th "	8 "	61.20	61.30	60.40	
9th "	8 "	61.30			

			Old value.	According to P. W. D. datum.
The previous year	Highest water-level	...	On 7th September 1921	60.80
Ditto	Lowest	...	on 27th and 28th April and 9th May 1922	31.70
Record	Highest	...	69.25 on 26th August 1879	64.41
Do.	Ditto	...	69.08 on 9th September 1885	64.27
Do.	Ditto	...	68.30 on 25th August 1906	63.47
Do.	Ditto	...	68.21 on 26th August 1890	63.40
Do.	Lowest	...	37.63 on 25th April 1884	32.82
Do.	Ditto	...	38.13 on 14th and 15th April 1883	33.32
Do.	Ditto	...	39.02 on 21st and 22nd April 1897	34.21
Do.	Ditto	...	39.28 on 6th and 7th May 1908	34.47

N.B.—The gauge-readings commenced from the 1st August 1887.

JADAB CHANDRA GHOSH, for Subdivisional Officer,
I. D., Jangipur.
BOALIA, the 9th September 1922.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra at Goalundo for the week ending 9th September 1922.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on the same date last year.	Remarks.
1922.					
3rd September	7 A.M.	23.7	23.7	24.3	Zero is placed at mean sea-level.
4th "	7 "	23.8	23.8	24.4	The bench-mark for the gauge is on a pucca pillar between the passenger ghat and Chandpore ghat.
5th "	7 "	23.8	23.8	24.5	
6th "	7 "	23.7	23.7	24.6	Its reduced level is 26.84.
7th "	7 "	23.7	23.7	24.5	
8th "	7 "	23.8	23.8	24.3	
9th "	7 "	23.8	23.8	24.0	

The previous year	Highest water-level	...	on 27th July 1921.
Ditto	Lowest	...	on 19th February and 4th March 1921.
Record (H. F. in Brahmaputra and Ganges)	Highest	...	on 28th August 1906.
Record (average flood in Brahmaputra and Ganges)	Ditto	...	on 20th and 21st August 1893.
Record (H. F. in Brahmaputra and Ganges)	Ditto	...	on 11th to 17th and 31st August 1889 and on 3rd September 1889.
Record (H. F. in Brahmaputra only)	Ditto	...	on 31st July 1900.
Record	Lowest	...	8th February 1914.
Do.	Ditto	...	13th March 1908.
Do.	Ditto	...	on 21st to 24th February 1884 and 8th to 10th March 1884.
Do.	Ditto	...	9th to 11th March 1885.
Do.	Ditto	...	16th, 17th and 29th to 31st March 1901.

N.B.—The gauge-readings commenced from October 1900.

R. C. GHOSH, for Subdivisional Officer,
P. W. D., Faridpore.
RAJBARI, the 9th September 1922.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 9th September 1922, as compared with the corresponding week of the previous year.

Nature of cargo.	WEEK ENDING SATURDAY, THE 9TH SEPTEMBER 1922.			WEEK ENDING SATURDAY, THE 10TH SEPTEMBER 1921.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	226	39,700	604	313	48,564	837
Jute ...	42	14,695 ^c	177	45	11,975 [†]	155
Firewood ...	82	40,625	601	60	45,800	729
Other articles ...	1,093	276,750	2,748	858	202,972	2,176
Total ...	1,443	371,770	4,130	1,276	309,311	3,807
Empty boats and rafts ...	759	...	1,939	545	...	1,685
GRAND TOTAL ...	2,202	371,770	6,069	1,821	309,311	5,582

^c Weight by canal measurement ... Mds. 17,862¹
[†] Ditto ditto ... Mds. 14,250

T. C. BHATTACHARYA,

Assistant Secretary to the Government of Bengal.

CALCUTTA, the 14th September 1922.



The Calcutta Gazette

WEDNESDAY, SEPTEMBER 27, 1922.

SUPPLEMENT.

Official Papers.

[Non-Subscribers to the GAZETTE may receive SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]

CONTENTS.

Page.	Page.
First Forecast of the Winter Rice Crop of Bengal, 1922-23 1547-1550	Trade of Calcutta for April to July 1922 1578-1586
Final Forecast of the Jute Crop, 1922 1551-1562	Statement showing the quantity of salt during the half-month from the 1st to 15th September 1922 1587
Improvement of the evening classes in the mining centres of Bengal 1563-1564	Abstract statement showing Tollage on canals in Bengal classed as Major and Minor Works for the month of July 1922 1588
Vital Statistics of the Towns of Bengal for the weeks ending 18th and 25th February 1922 1565-1566	Statement of weekly gauge-readings on the rivers in Bengal 1589-1590
Weather and Crop Report for the week ending on the 20th September 1922 1567-1570	Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 16th September 1922 1591
Statement showing the daily gauge-readings on certain rivers for the week ending 21st September 1922 1571-1577	

DEPARTMENT OF AGRICULTURE, BENGAL.

First Forecast of the Winter Rice Crop of Bengal, 1922-23.

[Note.—On an average of the five years ending 1920-21, the crop has represented some 19·7 per cent. of the total.]

Character of the season.—The season at the close of the year towards the end of May accelerated the preparation for the season. The monsoon which became established early in the season broadcast paddy, facilitated the transplantation of *ama* deep-water paddy in Eastern Bengal. In July monsoon was highly beneficial to all varieties of the crop in the operations. Except in North Bengal the rain was markedly so in the Western districts where the crops were flooded. The rise of the rivers was also responsible for the damage to the lowlands in the Eastern and Northern districts. The prospects so far are good for the broadcast paddy.

Acreage.—According to the figures returned by the district officers under winter rice is 15,574,500 acres, as compared with 15,000,000 in the corresponding and final forecasts of last year.

Outturn.—From the summary of the district returns it is seen that 17 districts expect a bumper crop, six districts normal, 17 districts below normal, 75 to 54 per cent. of the normal crop. According to the estimates the outturn works up to 92 per cent. as against 88 and 96 per cent. in the first and the final forecasts of the last year.

under Winter Rice in Bengal under Rice in British India.]

was dry, but good rainfall was received. The broadcast paddy was sown in the beginning of the year. June further improved the growth of the crop. The rainfall alternating with sunning weeding and transplanting. August was excessive and the crops were badly damaged in places from the damage to broadcast paddy. The present weather conditions are favourable for the present variety and fair for the broadcast variety.

According to the district Officers, the total area under winter rice is 15,574,500 acres, as compared with 15,000,000 in the corresponding and final forecasts of last year.

From the summary of the district returns it is seen that 17 districts expect a bumper crop, six districts normal, 17 districts below normal, 75 to 54 per cent. of the normal crop. According to the estimates the outturn works up to 92 per cent. as against 88 and 96 per cent. in the first and the final forecasts of the last year.

Director

NS,
ulture, Bengal.

CAMP CALCUTTA,
The 19th September 1922.

APPENDIX I.

First Forecast of the Winter Rice Crop of Bengal, 1922-23.

District.	Estimated normal area under winter rice.	Estimated area under winter rice.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the sowing of broadcasted winter rice commenced this year and whether that date was early, normal or late.	Date by which the transplanting of winter rice commenced this year and whether that date was early, normal or late.	Remarks by District Officers.
		Last year (1921-22).	This year (1922-23).	Last year.	This year.			
	Acres.	Acres.	Acres.					
24 Parganas ...	1,041,500	726,100	713,800	92	83	May. Normal	July. Normal	The decrease in area is due to excessive rain in August which submerged many fields where transplantation was not possible. The weather was favourable at sowing time, but at the time of transplantation it became unfavourable owing to excessive rain. It is not favourable now. Damage to the extent of two annas in <i>abad</i> tracts and eight annas in lowlands is reported from Basirhat and Diamond Harbour subdivisions.
Nadia ...	136,800	213,400	211,600	58	58	April and May. Normal.	July. Normal	The decrease in area is due to want of rain from the time of sowing till the end of May, and consequently the weather condition proved unfavourable for germination and growth of the crop. From June to August the weather has been favourable. Some damage was caused by flood in August.
Murshidabad ...	351,400	298,000	307,300	75	92	May. Normal	June to July. Normal.	The increase in area is due to good rainfall at the sowing time. Character of the weather has been good. Excessive rainfall has affected the growth to a small extent and slight damage has been caused by flood.
Jessore ...	568,100	463,900	475,000	83	75	April and May. Normal.	June and July. Late.	The increase is due to some jute and autumn rice lands having been brought under winter rice owing to the very late rainfall. Weather has not been favourable. About 50 per cent. of the crop was damaged by heavy rain and flood in the Narail and Magura subdivisions.
Khulna ...	826,200	731,100	778,100	92	100	June. Normal	End of July. Late.	The increase in area is due to good embankment and favourable weather. The rainfall of August has been favourable to the growth of the crop. Slight damage has been done to the crop on low-lying tracts owing to accumulation of rain-water.
Burdwan ...	874,800	665,700	712,800	75	92	Middle of May. Normal.	End of June. Early.	The increase in area is due to early and sufficient rainfall. The weather has been favourable to the crop and a good outturn is expected.
Birbhum ...	604,700	525,800	526,000	59	100	June. Normal	First week of July.	The weather has been favourable.
Bankura ...	644,000*	644,000	640,000		117	End of June. Normal.	Early in July. Normal	The decrease in area is due to recent flood and heavy rainfall. The weather has been good. Some damage has been done by flood.
Midnapore ...	1,537,100	1,398,500	1,462,300		83	June. Somewhat late.	July. Normal	The increase in area is due to increased cultivation. The weather has been fair. About 65,000 acres of area under the crop in Ghatal and 28,000 acres in Tamruk excluding the area given were destroyed by floods in June and August. The outturn is below the normal owing to unfavourable rains.
Hooghly ...	276,700	197,300	204,500		92	Sadar—Middle of July. Late. Serampore—End of June. Late. Arambagh—May. Normal.	Sadar—August Normal. Serampore—Beginning of July. Late. Arambagh—June. Normal.	The increase in area is due to favourable weather condition and high price of rice. The weather has been favourable on the whole up till now. It was unfavourable at sowing time in Sadar for want of rain and for a time in Arambagh owing to flood which has caused some damage.
Howrah ...	117,000*	123,400	97,400		54	Beginning of June. Late.	Middle of July. Late.	The decrease in area is due to want of rainfall at the sowing time. The weather has not been favourable. Heavy rainfall and flood during the transplanting period caused damage to a great extent.
Rajshahi ...	822,700	675,700	735,600		92	By the latter part of May. Late.	Middle of July. Normal.	The increase in area is due to increased cultivation owing to fall in the price of jute and to favourable weather condition at sowing time. The weather has been favourable. Damage by flood to the extent of 8 per cent. is reported from Nator and Naogaon subdivisions.
Dinajpur ...	1,120,300	929,300		100	88	Middle of May. Normal.	Middle of June. Normal.	The increase in area is due to timely and adequate rainfall during the transplantation period. The effects of weather have been favourable.

* Revised.

District.	Estimated normal area under winter rice.	Estimated area under winter rice.		Estimated outturn as a percentage of the normal yield per unit of area.		The date by which the sowing of broadcast winter rice commenced this year and whether that date was early, normal or late.	Date by which the transplanting of winter rice commenced this year and whether that date was early, normal or late.	Remarks by District Officers.
		Last year 1921-22.	This year 1922-23.	Last year.	This year.			
	Acre.	Acre.	Acre.					
Jalpaiguri ...	467,400	392,600	411,000	100	92	March. Normal.	July. Normal	The weather has been fairly favourable.
Darjeeling ...	50,900	26,600	19,100	117	92	April. Normal.	First week of July. Normal.	The decrease in area is due to insufficient rainfall. The weather has been fairly favourable.
Rangpur ...	822,300	617,900	634,400	125	85.5	Middle of May. Normal.	Beginning of July. Normal.	The increase in area is due to favourable weather. Insufficient rain in the latter part of July has retarded the transplantation of the crop to some extent. Want of rain in August is expected to cause the outturn to fall below the normal.
Bogra ...	303,000	448,000	450,000	85	100	March. Normal.	July. Normal	The decrease in area is due to decrease of area under jute. Weather condition has been good all through.
Pabna ...	566,000	400,000	399,000	83	83	Latter part of April. Late.	Beginning of September.	The weather was favourable for cultivation, but continuous drought after sowing retarded the growth of the crop and caused damage to the extent of 17 per cent.
Malda ...	326,300	242,700	237,000	79	92	Middle of June. Normal.	July. Normal	The weather has been favourable for transplanted paddy but unfavourable for broadcast paddy which suffered damage at the sowing time for want of rain and afterwards owing to continuous rain and flood.
Dacca ...	647,900	703,900	698,500	90	87	April. Late ...	First part of July. Transplantation is still continuing.	Prolonged drought retarded the growth of the crop after sowing. The weather has since been favourable. Sudden flood has damaged the crops in a few tracts.
Mymensingh ...	1,455,500	1,429,000†	1,411,500	117	80	April to June. Normal.	July August. Normal.	The decrease in area is due to want of timely rainfall. The weather was not favourable at the sowing time. The effect of weather on the growth of the crop has been fair. About 10 per cent. damage is reported from the Kishoreganj subdivision owing to flood in char lands.
Faridpur ...	770,100	761,400	745,200	103	65	March and April. Normal.	...	The decrease in area is due to drought at the sowing time. Weather has not been favourable. The outturn will fall below the normal as considerable damage has been done to the crop owing to sudden rise of water and heavy rain.
Bakarganj ...	1,200,000	1,342,000	1,000,000	100	100	May. A little late.	July. Normal	The decrease in area is due to the fact that the transplantation has not been finished. Want of sufficient rain at the beginning has delayed the sowing a little and subsequent heavy rain in June followed by flood in July has caused some damage to the young seedlings which are, however, recovering. The present condition is fair and a normal outturn is expected.
Chittagong ...	418,400	421,800	428,800	100	92	July. Late.	August. Late	The weather has been fairly favourable. The outturn is anticipated to fall below the normal owing to damages done by saline water at the time of the last cyclone in the Cox's Bazar subdivision.
Tippura ...	787,000	796,400	806,400	133	100	April. Normal.	August. Normal.	The increase in area is due to decrease in jute cultivation. Drought prevailed at sowing time, but subsequent conditions were favourable except for some damage caused by flood in Sadar and Chandpur subdivisions.
Noakhali ...	705,000	630,000	630,000	100	100	April May. Normal.	at the end of May. Normal.	The weather has been favourable and a normal outturn is expected.
Chittagong Hill Tracts.	47,500	46,000	46,500	75	83	Middle of June. Normal.	at the end of June. Normal.	The increase in area is due to gradual development of plough cultivation. The weather has been fairly favourable and the outturn is expected to be better than last year.
Total Bengal ...	17,488,800	15,850,200	15,574,500	100*	92			

* Director's estimate. † Revised

APPENDIX II.

Statement showing the normal and actual rainfall (in inches) in each district during May to August 1922.

Districts.	MAY.		JUNE.		JULY.		AUGUST.	
	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.
1. 24-Parganas	5.53	2.98	11.23	21.76	13.20	12.30	12.21	18.43
2. Nadia	6.50	3.59	9.85	19.88	10.17	6.70	10.32	9.34
3. Murshidabad	5.33	3.60	19.48	19.44	10.94	10.64	11.00	8.77
4. Jessore	7.36	2.79	11.34	21.90	10.98	10.05	10.76	17.46
5. Khulna	7.74	3.15	12.83	23.26	15.04	14.90	12.88	18.13
6. Bardwan	5.06	4.94	10.72	25.76	11.39	8.04	11.12	14.65
7. Birbhum	4.33	2.72	10.42	18.24	12.42	11.04	11.75	9.35
8. Bankura	4.35	1.94	9.75	27.73	11.92	9.31	11.10	20.25
9. Midnapore... ..	4.97	2.24	11.25	18.25	12.47	9.78	11.00	14.83
10. Hooghly	5.67	3.02	9.93	22.68	12.06	5.96	11.40	17.88
11. Howrah	5.36	4.25	11.18	24.19	12.92	12.77	11.17	25.36
12. Rajshahi... ..	6.06	2.30	11.06	18.61	11.60	13.12	10.43	7.77
13. Dinajpur	7.10	3.63	14.63	28.68	16.01	21.67	14.31	15.09
14. Jalpaiguri	14.37	16.05	22.08	33.67	32.81	34.75	28.92	28.26
15. Darjeeling... ..	9.19	8.54	23.41	34.72	31.34	32.93	26.30	25.03
16. Raipur	11.11	5.23	16.96	20.75	14.53	15.03	13.21	13.20
17. Bogra	8.36	2.97	12.73	19.89	12.71	16.47	12.02	12.89
18. Pabna	7.59	4.06	11.67	14.46	11.10	8.08	10.95	8.84
19. Malda	4.85	2.51	10.54	22.44	11.74	12.11	11.11	9.89
20. Dacca	10.11	3.2	14.43	16.04	12.96	10.02	12.65	17.71
21. Mymensingh	11.88		17.80	20.79	16.37	18.96	16.38	14.47
22. Faridpur	10.21		15.03	23.55	12.30	11.01	13.08	14.86
23. Bakarganj... ..	9.38		18.18	20.79	18.14	16.19	16.25	16.67
24. Chittagong	10.34		22.52	24.60	25.80	21.07	22.79	25.67
25. Tippera	11.32		16.05	16.96	13.71	10.12	14.01	14.41
26. Noakhali	11.02		21.18	30.34	23.78	12.24	23.49	22.11
27. Chittagong Hill Tracts... ..	10.21		18.11	28.93	20.95	14.65	17.87	25.76

FINAL FORECAST OF THE JUTE CROP, 1922.

Consolidated statement for Bengal, Bihar and Orissa, and Assam.

Area.—The estimated area for the three Provinces is 1,455,806 acres, a decrease of 62,552 acres on last year's figures.

Yield.—It is estimated that the crop will yield 4,236,828 bales of jute, an increase of 171,519 bales on last year's returns.

Remarks.—Last year's estimates for Assam have been revised by the local Department.

The consolidated figures are as follows :—

PROVINCE.	AREA IN ACRES.			YIELD IN BALES.		
	1921.	1922.	Difference.	1921.	1922.	Difference.
Bengal (including Cooch Behar).	1,329,190	1,218,908	- 110,282	3,605,991	3,577,784	- 28,207
Bihar and Orissa ...	108,368	146,098	+ 37,730	304,918†	391,044†	+ 86,126
Assam ...	80,800*	90,800	+ 10,000	154,400*	268,000	+ 113,600
Total ...	1,518,358	1,455,806	- 62,552	4,065,309	4,236,828	+ 171,519

* Revised.

† Including Nepal.

The Departmental Final Forecasts for each of the three Provinces are appended.

G. EVANS,
Director of Agriculture, Bengal.

CAMP CALCUTTA,
The 21st September 1922.

APPENDIX.

**Abstract Statement of Estimated Acreage and outturn of the jute crop, 1922.*

(For Bengal, Bihar and Orissa and Assam consolidated.)

ACREAGE.								OUTTURN IN PALES.							
Of current year's crop.	Of previous year's crop.	Average of five preceding years (viz., 1916 to 1920).	Average of ten preceding years (viz., 1911 to 1920).	PERCENTAGE BY WHICH COLUMN 1 EXCEEDS (+) OR FALLS SHORT OF (-) AREA IN—			Estimated yield of current year.	YIELD OF PREVIOUS YEAR ACCORDING TO—		Average of five preceding years (viz., 1916 to 1920).	Average of ten preceding years (viz., 1911 to 1920).	PERCENTAGE BY WHICH COLUMN 8 EXCEEDS (+) OR FALLS SHORT OF (-) OUTTURN IN—			
				Column 2.	Column 3.	Column 4.		Crop forecast.	Trade statistics.			Column 9 (a).	Column 9 (b).	Column 10.	Column 11.
1	2	3	4	5	6	7	8	9(a)	9(b)	10	11	12	13	14	15
1,455,806	1,518,256 ^a	2,657,300	2,800,000	- 4	- 45	- 48	4,236,828	4,065,309 ^a	7,510,117	7,769,300	8,380,400	+ 4	- 44	- 45	- 49

^aRevised.

DEPARTMENT OF AGRICULTURE, BENGAL.

Final Forecast of the Jute Crop of Bengal for 1922.

NOTE.—On an average of the five years ending 1920-21, the area under jute to which this forecast relates represents some 88·2 per cent. of the total area under jute in British India.

Season.—As indicated in the preliminary forecast, the weather was exceptionally dry during the earlier part of the year hampering sowing operations and seriously interfering with the growth of the early sown crop. In July seasonable rain fell with a slight excess in North Bengal and weeding operations were carried on favourably in the *deshi* districts. The late sown crop, on the other hand, fared well, especially on the high lands of East and North Bengal. The rise of the rivers towards the latter part of the month adversely affected the crop in certain low-lying areas and caused premature harvesting in those tracts. The rainfall in the first week of August was heavy in parts of West Bengal causing damage to the jute plants on low lands, the districts which suffered most being Murshidabad, Howrah and Midnapore. In Eastern Bengal good rainfall during this month facilitated the steeping and washing operations generally.

Condition of the crop.—During the early part of the year the low land crop in Eastern and Northern Bengal suffered through unusually dry weather, but subsequently, as the result of seasonable rainfall, the crop recovered from the effects of the prolonged drought. The high land crop, on the other hand, continued to prosper up till the harvesting period. The condition in the *deshi* districts is poor, more particularly in certain low-lying tracts, but elsewhere prospects are generally fair.

Acreage.—The area under jute is returned at 1,218,908 acres, a decrease of 110,282 acres or 8 per cent., as compared with last year's final figures. The decrease is attributed mainly to drought at the sowing season and in a minor degree to the low price obtained for the three preceding crops; and also to the comparatively high price of food-stuffs which induced cultivators to grow more paddy in place of jute.

Outturn.—As in previous years, the percentage figures are calculated on the basis of divisional normals, which remain as follows:—Dacca and Chittagong 3·7 each, Rajshahi 3·5, Presidency and Burdwan 3·2 bales per acre.

The total outturn of the crop is returned at 3,577,784 bales of 400 lbs. as against 3,605,991 bales in last year's forecast, a decrease of 28,207 bales.

G. EVANS,
Director of Agriculture, Bengal.

CAMP CALCUTTA,
The 21st September 1922.

Final Forecast of the Jute Crop of Bengal, 1922.

DISTRICT.	ESTIMATED AREA UNDER JUTE.		ESTIMATED OUTTURN AS A PERCENTAGE OF THE NORMAL YIELD PER UNIT OF AREA.		ESTIMATED TOTAL YIELD.		Date by which harvesting generally commenced, and whether that date was early, normal or late.	REMARKS BY DISTRICT OFFICERS.
	Last year.	This year.	Last year.	This year.	Last year.	This year.		
1	2	3	4	5	6	7	8	9
24-Parganas ...	Acres. 24,178	Acres. 30,436	75	81	Bales. 58,973	Bales. 81,413	End of August. Normal.	The increase in area is due to rise in price of jute and to a partial failure of sugar-cane crop. The increase in area over the preliminary forecast is due to rechecking of the figures.
Nadia ...	33,431	27,282	87	86	60,529	47,923	Ditto	The decrease in area is due to unfavourable weather conditions at sowing time, to low price of jute in preceding years and to preference given to the cultivation of paddy.
Murshidabad ...	6,514	7,412	68.4	51	13,229	12,114	End of August. Late	Owing to late sowing followed by heavy rains, the yield per acre is below the normal. Heavy floods in the diara areas did considerable damage to the crop.
Jessore ...	43,579	26,651	94	68.4	130,787	88,341	End of July to August. Early.	The decrease in area as compared with the preliminary forecast is due to floods in Magura and Narail subdivisions and some jute lands being resown with paddy. The decrease in outturn is due to stunted growth of the plants which were sown late and harvested early.
Khulna ...	4,941	3,941	72	74	11,432	9,332	Latter part of August. Normal.	The decrease in area is due to unfavourable weather in the sowing season and to low price of jute and high prices of food-grains. The decrease in area below the first forecast is due to damage by flood in Satkhira. The decrease in outturn is due to want of timely rainfall and also to excessive rain during the latter part.
Burdwan ...	1,342	1,090	74.37	80	3,193	2,790	Last week of August	The decrease in area is due to unfavourable condition of the market and to late rain at the beginning and to continuous heavy showers afterwards interfering with the normal growth of the crop and resulting in a low outturn.
Midnapore ...	5,511	4,030	66.90	54.4	11,829	7,026	September. Late	The decrease in area is due to want of rain at sowing time and to subsequent floods in June and August.
Hooghly ...	18,993	10,329	80	71.87	4,622	26,974	Third week of August. Normal.	The decrease in area compared with last year is due to prolonged drought and to consequent want of soil moisture at sowing time interfering with the preparation of land and sowing. Since the preliminary forecast some area was ploughed up and resown with other crops. The decrease in outturn is due to incessant and heavy rainfall during the growing period and for want of weeding the crop at proper time.
Howrah ...	4,659	3,567	85	50	173	5,707	Beginning of September. Late	The large decrease in area and outturn is due to unfavourable weather conditions and to damage by floods.
Rajshahi ...	44,849	46,462	79	71	25,437	116,150	Middle of August. Normal.	The sowing was late this year for want of rain. The continuous rain in July and August was detrimental to the growth of the crop. Some damage by heavy rain and flood is reported from Nator subdivision. Hence the outturn is below the normal.
Dinajpur ...	43,547	35,117	55		84,079	63,667	By the middle of July Normal.	The decrease in area was due to continued drought at sowing time and to low price of jute. The outturn is below the normal owing to incessant rainfall during the growing time and to late sowing.
Jalpaiguri ...	28,832	33,229	60		60,982	116,804	Middle of August. Normal.	The increase in area is due to expectation of a better price this year. The increase in outturn is due to favourable weather.

DISTRICT.	ESTIMATED AREA UNDER JUTE.		ESTIMATED OUTTURN AS A PERCENTAGE OF THE NORMAL YIELD PER UNIT OF AREA.		ESTIMATED TOTAL YIELD.		Date by which harvesting generally commenced, and whether that date was early, normal or late.	REMARKS BY DISTRICT OFFICERS.
	Last year.	This year.	Last year.	This year.	Last year.	This year.		
1	2	3	4	5	6	7	8	9
	Acres.	Acres.			Bales.	Estes.		
Darjeeling ...	1,435	1,688	75	87	3,705	5,156	End of August. Rather late.	
Rangpur ...	138,255	154,564	71.97	90.31	348,295	488,720	July. Normal ...	The increase in area is due to high price of jute in the latter part of the last financial year and to the fact that the cultivators had found at last that they had not profited by giving up the cultivation of jute. Harvesting was, however, retarded in August owing to inadequate rainfall.
Bogra ...	50,600	45,320	82.3	91	145,753	144,344	Eastern side of river Karatwa (alluvial tract). Middle of July. Western side. End of July. Normal.	The decrease in area is mainly due to unfavourable weather at sowing time. But subsequent favourable condition more or less compensated it by increased outturn.
Pabna ...	65,620	74,754	61.4	94.3	141,017	246,732	Middle of July ...	The increase in area is due to high price of the fibre at the time of sowing. Continued drought and early flood adversely affected the crop. Sufficient rainfall in June and July, however, facilitated the growth and substantially improved the prospects.
Malda ...	7,470	6,500	44.3	47.7	11,580	10,850	By the end of August. Late.	The decrease in area is due to revision owing to total damage by flood water mainly in Nawabganj, Shibganj, Kaliachak and Harischandrapur thanas.
								The decrease in outturn is due to unfavourable weather at the beginning and to continuous heavy rain during the growing period which prevented weeding operation.
Dacca ...	140,000	130,000	79	75	410,000	368,000	July. Normal ...	The decrease in area is due to low price of jute and to prolonged drought at the beginning. Where the crop was sown early, it suffered greatly for lack of moisture. The rainfall was favourable in June, but the rivers rose too quickly and did some damage to the crop in low-lying area. The crop also suffered from insect pests in some places. Hence the outturn is not satisfactory.
Mymensingh ...	332,293	298,096	80	91	987,794	986,182	End of July. Normal.	Since the end of May, the weather has been favourable.
Faridpur ...	143,000	89,000	84	72	443,300	236,200	End of July ...	The decrease in outturn is due to (1) drought at sowing time and for some time after, which stunted the growth of the crop; (2) to late sowing and (3) to sudden rise of water causing premature harvesting in some places.
Bakarganj ...	19,412	8,540	76	57.8	54,897	18,292	July. Early ...	The fall in outturn is due to insufficient rainfall at sowing time and to excessive rain afterwards which affected the growth of the crop. The sowing was late but harvesting was early owing to flood in July.
Chittagong ...	260	200	81	90	600		week of August	The crop suffered from drought at the beginning but later on the weather was favourable for the growth of the crop.
Tippera ...	150,000	150,000	73	82	400,000	455,16	of July to st. Normal.	The increase in yield is due to favourable weather condition after sowing.
Noakhali ...	7,382	8,333	95	75	25,929	23,749	of July to st. Normal.	The increase in area is due to rise in price of jute. The outturn is below the normal owing to drought at the beginning and to heavy downpour afterwards.
Total for Bengal.	1,316,043	1,196,541	.....	.....	3,594,645	3,526,226		
Add for Cooch Behar.	13,147	22,367	24.6	66	11,346	51,558	Mid/ die No.	The increase in area is due to timely rainfall. The weather has been fairly favourable for the growth of the crop. Some damage was caused by hailstorm in May last.
GRAND TOTAL	1,329,190	1,218,908	.....	.....	3,605,991	3,577,784		

APPENDIX II.

Statement of rainfall in July and August each year from 1919 to 1922.

DISTRICT.	RAINFALL IN JULY.					RAINFALL IN AUGUST.				
	1919.	1920.	1921.	1922.	Normal.	1919.	1920.	1921.	1922.	Normal.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
24-Parganas	14.52	14.85	9.91	12.50	13.20	19.87	10.03	17.15	18.43	12.21
Nadia	13.09	10.60	9.82	6.70	10.17	7.53	10.79	14.06	9.34	10.52
Murshidabad	10.92	10.91	9.53	10.64	10.94	8.66	9.90	13.41	8.77	11.00
Jessore	15.25	10.86	11.65	10.05	10.98	10.56	9.92	15.04	17.45	10.76
Khulna	20.38	15.45	11.65	14.90	15.04	16.41	11.19	18.00	18.13	12.88
Burdwan	10.71	10.74	11.63	8.04	11.39	10.11	10.02	13.14	14.65	11.12
Midnapore	10.23	16.27	13.15	9.78	12.47	16.97	10.93	15.28	14.83	11.00
Hooghly	11.54	11.25	8.81	5.98	12.06	12.56	11.93	17.90	17.88	11.40
Howrah	14.95	15.72	11.81	12.77	12.92	25.17	19.47	18.20	25.36	11.17
Rajshahi	17.18	8.94	8.98	13.12	11.60	10.80	7.12	11.91	7.77	10.43
Dinajpur	15.78	10.12	21.02	21.67	16.01	9.05	13.89	12.20	15.09	14.31
Jalpaiguri	36.01	16.61	62.20	34.75	32.81	11.01	35.33	26.77	28.26	28.92
Darjeeling	34.46	26.61	37.56	32.93	31.34	17.09	17.40	25.25	25.03	26.30
Rangpur	18.12	8.07	27.16	15.03	14.53	5.23	19.36	9.07	13.20	13.21
Bogra	17.68	8.41	19.96	16.47	12.71	8.09	12.55	13.84	12.89	12.02
Pabna	14.82	8.36	11.48	8.08	11.10	12.67	10.09	12.84	8.84	10.95
Majda	21.22	10.14	11.55	12.11	11.74	13.95	10.08	11.39	9.89	11.11
Dacca	16.87	12.90	14.32	10.02	12.96	9.91	15.13	11.86	17.71	12.56
Mymensingh	21.26	12.20	23.66	18.96	16.37	10.85	18.22	12.86	14.47	8.6
Fariapur	20.05	12.96	12.76	11.01	12.30	14.96	9.15	10.56	14.85	13.08
Bakarganj	25.74	23.73	15.26	16.19	18.14	20.14	12.11	20.91	16.67	16.25
Chittagong	35.38	32.03	25.16	21.07	26.80	26.71	23.02	30.06	25.67	22.79
Tippera	16.43	12.19	16.84	10.12	13.71	12.74	14.75	11.93	14.41	14.01
Noakhali	27.74	22.73		19.94	23.78	22.16	19.84	24.20	22.11	23.49
Cooch Behar	24.99	16.55		32.63	24.68	8.61	38.85	15.66	24.92	21.25

NOTE.—The figures given above are averages for all the rain registering stations in each district.

DEPARTMENT OF AGRICULTURE, BIHAR AND ORISSA.

Final Forecast of the Jute Crop of Bihar and Orissa, 1922.

NOTE—On an average of the five years ending 1920-21, the area under jute to which the Bihar and Orissa forecast relates represents about 7·6 per cent. of the total area under jute in British India.

Acreage.—The final district returns of the seven jute-growing districts of the province show an area under jute of 146,098 acres or, in round numbers, 146,100 acres, as compared with 144,600 acres reported in the preliminary forecast, 1922, and 108,400 acres last year. The increase in area sown this year is mainly in Purnea, where it is attributed to the rise in the price of jute; but actual measurement of the area in 10 per cent. of the villages in Purnea indicates that the estimate may be too high by some 20,000 acres.

Weather conditions.—In March, there was no rain in the jute districts, except very light showers in Cuttack. In April and May the rainfall was below the normal everywhere. In June and July the rainfall was above the normal everywhere; it was very heavy in all the jute-growing districts, except Cuttack and Balasore in June and in Cuttack in July. The rainfall in August was below the normal in Purnea and Cuttack and above the normal in the remaining districts. The season was on the whole unfavourable for the crop. The growth of the crop on low lands in Purnea was retarded on account of heavy rain in June.

Outturn.—In the important districts of Purnea and Cuttack the outturn of the crop has been reported as 70 and 79 per cent., respectively. Champaran reports a crop of 98 per cent., Balasore, Muzaffarpur, Bhagalpur and the Santal Parganas report 84, 80, 66 and 60 per cent., respectively.

On the basis of the area and percentage outturn reported by the District Officers and taking three bales as the normal outturn per acre, the total gross outturn of the crop for the province this year comes to 313,423 bales or, in round numbers, 313,400 bales against 225,400 bales for last year.

The average import of raw jute into this province from Nepal during the last three years was equivalent to 77,621 bales. This figure added to the figure for the province arrived at gives a total for Bihar and Orissa of 391,044 bales or, in round numbers, 391,000 bales.

In view of the probably excessive estimate of area in Purnea, 3½ lakhs of bales is probably nearer the mark.

C. DOBBS,

Director of Agriculture, Bihar and Orissa.

CAMP RANCHI,

The 11th September 1922.

APPENDIX I.

Final Forecast of the Jute Crop of Bihar and Orissa, 1922.

DIVISION.	District.	Total area of the district.	Estimated total area under cultivation.	Estimated normal area under jute. (This figure has been arrived at by taking the average of 10 years immediately preceding the year to which this forecast relates.)	ESTIMATED AREA UNDER JUTE.		ESTIMATED OUTTURN AS A PERCENTAGE OF A NORMAL YIELD PER UNIT OF AREA.		ESTIMATED TOTAL YIELD.		Date by which harvesting generally commenced, and whether that date was early, normal or late.	REMARKS BY DISTRICT OFFICERS.
					Last year (1921).	This year (1922).	Last year (1921).	This year (1922).	Last year (1921).	This year (1922).		
1	2	3	4	5	6	7	8	9	10	11	12	13
Tirhut	Chau,	Acres.	Acres.	Acres.	Acres.	Acres.	100	98	Bales.	Bales.	Second week of September in Bihar and August and September in Bettiah. Date normal.	The weather and rainfall have not been favourable in the Sadar subdivision owing to floods and excessive rainfall. In Bettiah, they were favourable. The outturn is expected to be a little less than normal in the Sadar and normal in the Bettiah subdivision. The difference between the area sown in normal and this forecast and that in column 1 of the first forecast is due to the result of detailed enquiry.
	Muzaffarpur	1,942,224	1,627,000	1,900	2,095	1,625	75	80	4,714	3,900	Not yet begun	Excessive and incessant rains have stood to a certain extent in the way of better prospects than expected. The decrease in area as compared with the last year's area is due to the fact that on account of excessive rains much of the low lying <i>bam</i> land was utilized for paddy.
Bhagalpur	Bhagalpur	2,661,020	1,654,100	1,227	1,173	1,173	90	66	3,167	2,323	August and September.	Owing to heavy rainfall at Kishanganj the growth of the crop was retarded on low lands. So also the case in some parts of the Sadar subdivision. The weather and rainfall were favourable for the crop at Araria and on the whole a fair outturn is expected. The increase in area is due to the rise in the price of jute.
	Purnea	3,196,153	1,694,400	191,400	86,000	125,000	65	70	167,700	268,300	Latter part of July.	The whole crop on the area (100 acres) shown at Pakaur was destroyed, being under water on account of heavy rains. In Rajmahal also the area sown is 300 acres against 400 acres in last year, but the yield is expected to be the same as in the last year. The decrease in the total yield as compared with that of last year is due to the fact that the yield at Pakaur is reported to be nil.
Orissa	Santal Parganas	3,490,400	1,717,900	3,000	200	400	63	60	945	720	Beginning of September.	The weather and rainfall were generally favourable to the growth of the crop. The increase in area under the crop is shared by the Kendrapada subdivision. The entire area under this crop had not been sown when the first forecast was submitted.
	Cuttack	2,310,307	1,223,500	18,500	15,600	16,200	86	79	40,248	35,394	Last week of August, which is late.	The outturn of this year is less than that of last year owing to late sowing and consequent stunted growth of the plants.
	Bharsore	1,322,621	932,200	2,400	1,700	2,600	93	84	4,743	6,552	Not yet begun	
	Total	17,222,665	10,309,300	220,557 or in round numbers 220,600	106,368 or in round numbers 106,400	146,038 or in round numbers 146,100	69.3	71.5	225,417 or in round numbers 225,400	313,423 or in round numbers 313,400		

APPENDIX II.

Abstract Statement of estimated acreage and outturn of the jute crop, 1922.

Abstract Statistics

PROVINCE.	ACREAGE.							OUTTURN IN BALES OF 400 lbs.								
	Of current year's crop.	Of previous year's crop.	Average of five preceding years (viz., 1916 to 1920).	Average of ten preceding years (viz., 1911 to 1920).	PERCENTAGE BY WHICH COLUMN 2 EXCEEDS (+) OR FALLS SHORT OF (-) AREA IN—			Estimated yield of current year.	YIELD OF PREVIOUS YEAR.		Average of five preceding years (viz., 1916 to 1920).	Average of ten preceding years (viz., 1911 to 1920).	PERCENTAGE BY WHICH COLUMN 9 EXCEEDS (+) OR FALLS SHORT OF (-) OUTTURN IN—			
					Column 3.	Column 4.	Column 5.		Crop forecast.	Trade statistics.			Column 10 (a)	Column 10 (b)	Column 11.	Column 12.
1	2	3	4	5	6	7	8	9	10 (a)	10 (b)	11	12	13	14	15	16
Bihar and Orissa ...	146,100	108,400	195,800	237,300	+34.78	-25.38	-38.46	313,400	225,400	...	430,800	590,800	+39.04	...	-34.82	-46.04

APPENDIX III.

NAME OF DISTRICT.	RAINFALL IN JULY.				RAINFALL IN AUGUST.				NORMAL RAINFALL.	
	1919.	1920.	1921.	1922.	1919.	1920.	1921.	1922.*	July.	August.
	2	3	4	5	6	7	8	9	10	11
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
Champaran ...	12.88	14.21	12.56	16.45	7.28	10.97	16.94	15.22	14.05	14.98
Muzaffarpur ...	13.21	10.19	9.04	16.24	5.90	8.30	16.29	15.67	11.18	13.33
Bhagalpur ...	13.67	9.49	16.26	17.08	6.80	9.71	16.52	17.29	12.10	11.63
Purnea ...	18.30	8.72	25.40	20.93	7.89	14.44	14.54	10.67	16.77	14.95
Santal Parganas ...	16.59	14.59	11.58	15.14	13.67	9.72	17.29	13.32	12.64	11.95
Cuttack ...	11.72	22.79	11.70	21.18	18.80	11.19	7.45	6.98	12.19	12.68
Balasore ...	7.56	19.00	13.57	15.31	16.39	11.48	10.83	15.81	11.39	11.23

* Figures relate to headquarters stations only.

DEPARTMENT OF LAND RECORDS AND AGRICULTURE, ASSAM.

Final Forecast of the Jute Crop of Assam, 1922.

NOTE.—On the average of the five years ending 1920-21, the area under jute in Assam represents 4·3 per cent. of the total area under jute in British India.

1. Season.—Since the issue of the preliminary forecast the weather has continued to be generally favourable, but the unusual drought in the spring which affected the early growth of the crop has caused the outturn to fall below normal.

2. Area.—The area under jute as reported by the Deputy Commissioners is 90,800 acres against the final figure of 80,800 acres (revised) in last year and 91,400 acres shown in the preliminary forecast of this year. The increase from last year is generally due to a better market. The areas reported in the preliminary forecast have been revised in five districts, two showing a decrease and three an increase.

3. Outturn.—The outturn is estimated to be 84 per cent. of the normal per acre against 56 (revised) of last year. On the basis of the normal yield of 3·5 bales of 400 lbs. per acre the total yield of jute fibre in Assam is calculated to be 268,000 bales against the revised figure of 154,400 bales of the previous year, or an increase of 74 per cent.

J. HEZLETT,

Director of Land Records and Agriculture, Assam.

SHILLONG,

The 11th September 1922.

APPENDIX I.

Final Forecast of the Jute Crop of Assam, 1922.

DISTRICT.	Estimated normal area under jute.	ESTIMATED AREA UNDER JUTE.		ESTIMATED OUT-TURN AS A PERCENTAGE OF THE NORMAL YIELD PER UNIT OF AREA.		ESTIMATED TOTAL YIELD IN BALES OF 400 LBS.		Date by which the harvesting was commenced this year and whether that date was early, normal or late.	REMARKS BY DEPUTY COMMISSIONERS.
		Last year's actual.*	This year.	Last year.*	This year.	Last year.*	This year.		
1	2	3	4	5	6	7	8	9	10
	Acres.	Acres.	Acres.						
Cachar ...	300	200	300	60	58	400	300	August. Normal ...	The increase in area is due to seasonable rains at the time of sowing. There was excessive rain afterwards which retarded growth of the crop and hence the low outturn.
Sylhet ...	17,900	5,800	10,300	60	100	11,500	36,000	Middle of July. Early.	The rise in price of jute about the end of 1921 induced the cultivators to grow more jute during the current year. The weather was normal from June to August and has been favourable to the crop.
Goalpara ...	50,000	24,500	30,300	25	80	20,200	84,800	Middle of July. Normal.	The improvement in price of jute and the favourable weather in the latter part of the sowing time caused the increase in area. It continued to be favourable till August, but drought interfered with the growth of young plants to some extent.
Kamrup ...	12,700	10,600	12,200	50	80	17,500	34,200	2nd week of August. Normal.	There was extension of cultivation. The outturn is estimated to be below normal owing to want of rain at sowing time and to damage caused by insects.
Darrang ...	9,300	11,600	10,000	65	80	23,300	27,900	Middle of July. Early	The weather has been unfavourable in the Mangaldai subdivision and this combined with want of rain at sowing time is responsible for the decrease in area and the fall of outturn below normal.
Nowgong ...	14,700	23,500	24,600	95	90	73,600	77,500	15th July. Early ...	The increase in area is due partly to revision of figures and partly to expectation of better price. The weather from June to August and its effect on the growth of the crops were good but drought at sowing time and insects pests caused the outturn to fall below normal.
Sibsagar. ...	300	300	300	75	75	700	700	3rd week of August. Normal.	The weather was dry at sowing time but very rainy during July and August. Floods caused some damage to the crop.
Lakhimpur ...	200	100	100	75	92	300	300	15th September. Normal.	The weather was favourable at the beginning but not quite so afterwards. Some damage was done by floods in places in the North Lakhimpur subdivision.
Garó Hills ...	4,600	4,200	2,700	50	65	6,900	6,100	15th July. Normal ...	The decrease in area is due to bad weather at sowing time. It however improved during June to August.
Total ...	110,000	80,800	90,800	56	84	154,400	268,000		

* On the basis of the actual

APPENDIX II.

Abstract Statement of estimated acreage and outturn of the jute crop, 1922.

PROVINCE.	ACREAGE.							OUTTURN IN BALES OF 400 LBS.								
	Of current year's crop.	Of previous year's crop.*	Average of five preceding years (viz., 1916 to 1920).	Average of ten preceding years (viz., 1911 to 1920).	PERCENTAGE BY WHICH COLUMN 2 EXCEEDS (+) OR FALLS SHORT OF (-) AREA IN—			Estimated yield of current year.	YIELD OF PREVIOUS YEAR ACCORDING TO—		Average of five preceding years (viz., 1916 to 1920).	Average of ten preceding years (viz., 1911 to 1920).	PERCENTAGE BY WHICH COLUMN 9 EXCEEDS (+) OR FALLS SHORT OF (-) OUTTURN IN—			
					Column 3.	Column 4.	Column 5		Crop statistics*.	Trade statistics.			Column 10.	Column 11.	Column 12.	Column 13.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Assam	90,800	80,800	103,100	96,900	+ 12	- 12	- 8	268,000	154,400	138,100	267,800	254,800	+ 74	+ 97	...	+ 5

* On the basis of actual final figures.

APPENDIX III.

Statement of rainfall in July and August 1919—1922.

DISTRICT.	RAINFALL IN JULY.				RAINFALL IN AUGUST.			
	1919.	1920.	1921.	1922.	1919.	1920.	1921.	1922.
1	2	3	4	5	6	7	8	9
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
Cachar	13.77	14.40	14.93	11.63	12.03	23.44	17.58	19.51
Sylhet	18.96	15.16	23.37	18.15	12.78	26.90	18.08	23.11
Goalpara	19.45	10.43	33.12	15.51	10.45	27.72	15.77	18.84
Kamrup	13.24	13.73	14.39	14.24	9.21	15.18	11.74	12.67
Darrang	13.92	9.40	19.19	10.86	8.02	12.27	13.75	13.06
Nowgong	16.42	11.21	13.27	13.02	9.45	12.59	14.43	10.96
Sibsagar	18.37	13.2	11.67	13.13	11.55	12.21	13.16	15.21
Lakhimpur	24.11	14.8	16.56	19.31	10.88	15.94	20.59	21.68
Garo Hills	25.04		31.44	21.05	9.39	24.24	12.77	16.96

**IMPROVEMENT OF THE EVENING CLASSES IN THE MINING CENTRES OF
BENGAL.**

GOVERNMENT OF BENGAL.

AGRICULTURE AND INDUSTRIES DEPARTMENT.

DARJEELING, THE 18TH SEPTEMBER 1922.

RESOLUTION—No. 169T.—IND.

Minister in charge : The Hon'ble Nawab Salyid Nawab Ali Chaudhuri, Khan Bahadur, C.I.E.

IN 1913 a Joint Committee for the two provinces of Bengal and Bihar and Orissa was appointed under the presidency of Mr. (now Sir Duncan) Macpherson to advise on the question of Mining Education in the coal-fields. The Committee submitted a detailed scheme for the establishment of a School of Mines at Dhanbad. They also recommended the improvement and development of the existing evening classes which are conducted by part-time lecturers in mining centres and their continuance independently even after the establishment of the School of Mines. In place of the existing part-time lecturers they recommended that a permanent staff of properly trained and qualified teachers should be appointed and drew up two alternative schemes, one for a course extending over five years which would produce first-class mine managers, and the other for a course limited to three years which would turn out second-class mine managers.

2. The Government of India have taken up the question of the establishment of a School of Mines and Geology at Dhanbad. A joint scheme for the improvement of the evening classes in the mining centres of the two provinces of Bengal and Bihar and Orissa was prepared, but the scheme fell through, and the Government of Bengal decided to take up separately for the two mining centres in this province the less costly scheme for a three years' course, suggested by the Macpherson Committee, to meet the requirements of those desiring to appear at the examination for the second-class colliery managers' certificates. The Mining Education Advisory Board was accordingly asked to submit, for the approval of Government, a complete scheme with details as to the nature and scope of the classes, and representatives of the mining industry were consulted as to their willingness to co-operate in the scheme. The Indian Mining Association and the Indian Mining Federation approved of the scheme and intimated their willingness to contribute Rs. 4,000 and Rs. 1,500, respectively, or Rs. 5,500 in all, towards the annual cost.

3. The scheme prepared by the Mining Education Advisory Board involved the construction of two lecture-halls at Raniganj and Sitarampore, quarters for the Mining Instructor at Asansol, two quarters for the Assistants, one at Raniganj and the other at Sitarampore, and furniture for the two lecture-halls, at a total estimated cost of about Rs. 70,000. Some of the buildings are already under construction, and it is proposed to start the classes there from the current month.

4. The staff for the evening classes consists of a Mining Instructor on a pay of Rs. 1,000—50—1,200 and of two Assistant Lecturers on a pay of Rs. 150—10—250 each, with free quarters, or house-rent in lieu thereof, and of one peon and two chaukidars at Rs. 13—1—17 each per mensem. The total cost, including travelling and conveyance allowances, contingencies and repair charges of the buildings, is estimated at about Rs. 27,000 per annum. Steps will be taken at once for the recruitment of the staff.

5. The session will extend over about nine months, each class being held twice a week at each centre.

6. Students will be admitted at any stage of the three years' course at the discretion of the Lecturer, but no certificate will be granted to any candidate unless he has completed the second and third year courses successfully.

The curriculum will be as follows :—

I.—First-year course.

(1) Mathematics—

Arithmetic and Algebra.
Mensuration and Use of Squared Paper.
Trigonometry.

(2) Elementary Science—

Physics and Chemistry.

II.—Second-year course.

(1) Elementary Mechanics.

(2) Mechanical Drawing.

(3) Elementary Mining and Surveying.

III.—Third-year course.

(1) Mining and Geology.

(2) Mechanical and Electrical Engineering.

By order of the Government of Bengal,

(Ministry of Agriculture and Industries),

J. A. L. SWAN,

Secretary to the Government of Bengal.

Vital Statistics of Towns with a population of 50,000 and over of Bengal Presidency for the week ending Saturday, the 18th February 1922.

District.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1921.		BIRTH-REGISTERED.		DEATHS REGISTERED.															Total of all causes.			Total of causes pending week of the previous year.						
			Male.	Female.	Total.	Number registered (excluding still-borns).	Still-born number registered.	Cholera.	Small-pox.	Plague.	Malaria.	Enteric fever.	Measles.	Relapsing fever.	Kala-azar.	Other fevers.	Dysentery.	Diarrhoea.	Influenza.	Pneumonia.	Phthisis.	Other respiratory diseases.	Injuries.	Deaths from child-birth.	Other causes.	Male.	Female.	Total.			
Calcutta	1	Calcutta	617,590	290,261	907,851	329	20	18	17	...	27	4	...	...	...	38	28	4	18	50	36	101	10	...	183	295	474	312	786
Burdwan	2	Asansol Mining Settlement.	176,814	152,539	329,353	136	...	3	...	...	...	...	...	...	...	19	4	...	...	...	...	21	1	...	40	51	31	24	55
Howrah	3	Howrah	128,472	66,529	195,001	93	2	7	4	...	12	3	1	15	13	5	...	15	3	22	5	...	32	91	50	122	40	212	
Dacca	4	Dacca	67,333	52,117	119,450	77	1	1	...	...	4	...	1	...	6	20	4	1	...	5	1	3	3	...	28	47	37	26	63
24 Parganas	5	Manikiala	40,996	26,376	67,372	13	2	...	1	...	6	...	...	...	...	...	6	1	...	2	4	10	...	...	15	28	21	26	47
	6	Blakpara	45,723	19,886	65,609	11	...	1	1	1	1	...	1	3	3	5	15	7	22
	7	Cossipur-Chitpur.	36,389	20,185	56,474	21	1	1	...	...	...	...	...	...	1	3	3	...	...	2	1	0	...	...	8	13	20	11	31
	8	Itanagarh	35,533	15,918	51,451	8	6	3	1	...	3	...	4	9	13	25	14	39

CHAS. A. BENTLEY, Director of Public Health, Bengal.

CALCUTTA, the 30th August 1922.

Vital Statistics of Towns with a population of 50,000 and over of Bengal Presidency for the week ending Saturday, the 25th February 1922.

District.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1921.			BIRTHS REGISTERED.		DEATHS REGISTERED.													Total of causes.				Total of causes.		Total of corresponding week of the previous year.						
			Male.	Female.	Total.	Number registered (excluding still-borns).	Still-born, number registered.	Cholera.	Small-pox.	Plague.	Malaria.	Enteric fever.	Measles.	Relapsing fever.	Kala-azar.	Other fevers.	Dysentery.	Diarrhoea.	Influenza.	Pneumonia.	Phthisis.	Other respiratory diseases.	Injuries.	Deaths from child-birth.	Other causes.	Male.		Female.	Total.	Male.	Female.	Total.	
Calcutta	1	Calcutta	617,560	290,261	907,821	305	14	17	10	...	...	...	13	7	1	...	2	23	30	11	13	50	37	75	13	2	185	324	183	507	335	319	705
	Bardwan	2	Asansol Mining Settlement.	175,814	152,539	328,353	128	22	1	...	64	70	56	128	187	167	354
Howrah		3	Howrah	128,472	66,829	195,301	87	6	6	16	...	...	...	7	3	...	...	...	10	7	...	10	4	10	...	...	25	80	43	123	96	64	160
	Dacca	4	Dacca	67,333	52,117	119,450	66	2	2	...	...	...	3	...	...	...	7	17	2	2	...	...	1	4	...	...	21	33	26	59	32	24	56
24-Parganas		5	Manikgala	40,906	26,376	67,272	12	...	...	...	...	...	3	...	...	...	...	...	...	...	...	5	2	8	...	...	16	22	14	36	46	31	77
	24-Parganas	6	Bhatpara	45,723	19,886	65,609	15	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	4	5	5	10	11	11	22
24-Parganas		7	Cossipur-Obt-pur.	36,259	20,185	56,474	19	1	2	1	1	3	10	11	11	22	26	10	36
	24-Parganas	8	Tilagarh	36,533	15,918	52,451	10	4	...	2	...	9	7	16	21	17	38

CHAS. A. BENTLEY, Director of Public Health, Bengal.

CALCUTTA, the 30th August 1922.

DISTRICT REPORTS ON WEATHER AND CROPS

For the week ending on the 20th September 1922.

Summary.—The rainfall during the week was generally light to moderate. Harvesting of autumn paddy is nearly finished. Cutting and steeping of jute are still continuing. Transplantation of winter paddy is almost completed and weeding is well advanced. Condition and prospects of standing crops are good. The average price of common rice for the province has fallen by about 2·18 per cent. as compared with that of the previous week.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
1	24-PARGANAS ...	5·02	5½	5½	Effects of weather on standing crops are good. Retransplantation of <i>aman</i> paddy is finished. <i>Aman</i> paddy is thriving well at Barasat. Harvesting of <i>aus</i> paddy and jute continues. Fodder and water are sufficient.
	Diamond Harbour.	1·16	6½	5½	
	Barrackpore ...	2·64	5½	5½	
	Barasat ...	1·94	5	5	
	Basirhat ...	5·55	6½	6½	
2	NADIA ...	0·92	6½	6½	Harvesting of <i>aus</i> paddy and jute continues. Steeping of jute has commenced at places. Prospects of <i>aman</i> paddy are favourable. Fodder and water are sufficient. Cattle-disease is reported from the Ranaghat, Chuadanga and Meherpur subdivisions.
	Kushtia ...	0·59	6½	6	
	Meherpur ...	0·85	6½	6½	
	Chuadanga ...	1·13	6½	6½	
	Ranaghat ...	1·13	5½	5½	
3	MURSHIDABAD	0·25	6½	7	Weather cloudy. Prospects of standing crops are fair. Rain is wanted for <i>aman</i> paddy. Harvesting of jute and other <i>bhadoi</i> crops continues. No large import or export. Fodder is sufficient. Cattle-disease is reported from thana Khargram in Kandi subdivision.
	Lalbagh ...	0·33	6½	6½	
	Jangipur ...	2·64	7½	7½	
	Kandi ...	0·34	8	8½	
4	JESSORE	1·70	6	6	Prospects of standing crops are favourable. Harvesting of <i>aus</i> paddy and jute continues. Cultivation of lands for <i>rabi</i> crops continues and their sowings on high lands have commenced in places. Export of paddy continues to be reported from Bongaon. Fodder and water are sufficient.
	Jhenidah ...	0·42	7½	6½	
	Magura ...	1·08	6½	6	
	Narail ...	0·31	6½	6½	
	Bongaon ...	1·35	6	6	
5	KHULNA ...	0·68	6	6	Weather seasonable. Harvesting of <i>aus</i> paddy and jute continues, and transplantation of <i>aman</i> paddy is nearly finished. The recent flood has damaged <i>aus</i> paddy to some extent in thana Mollahat. Fodder and water are sufficient.
	Satkhira ...	1·46	6	6	
	Bagerhat ...	0·50	6½	6½	

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
	2	3	4	5	6
		Inches.			
6	BURDWAN ...	0.43	6	6	Weather cloudy. Weeding of <i>aman</i> paddy is nearly over. Harvesting of <i>aus</i> paddy and jute continues. Rinderpest is reported from the thanas Ketugram, Mangalkot and Jamalpur.
	Asansol ...	0.21	6	6	
	Katwa ...	0.82	7½	7	
	Kalna ...	0.61	6½	6½	
7	BIRBHUM ...	0.72	7	6½	Condition of standing crops is good. Fodder and water are sufficient.
	Rampurhat ...	(n)	(n)	7	
8	BANKURA ...	1.16	7½	8	Agricultural prospects are favourable. Export of rice and paddy continues.
	Vishnupur ...	2.48	7	(n)	
9	MIDNAPORE ...	2.51	6½	7½	Condition of winter paddy is favourable. Harvesting of <i>aus</i> paddy and sowing of early cotton continue. Fodder and water are sufficient. Cattle disease is reported from Contai thana.
	Jhargram ...	(n)	(n)	6	
	Ghatal ...	1.38	7½	7½	
	Tamluk ...	0.88	5½	5½	
	Contai ...	3.46	7	7	
10	HOOGHLY ...	1.90	5½	5½	Effects of weather on crops are favourable. Fodder is sufficient. Prices of rice are falling in Serampore and Arambagh. Cattle disease is reported from Gandua thana.
	Serampore ...	1.80	5½	5½	
	Arambagh ...	0.68	7½	6½	
11	HOWRAH ...	3.58	5½	5½	Paddy is being successfully re-transplanted in higher portions of flooded area. Cutting and steeping of jute continue.
	Uluberia ...	2.35	5½	5½	
12	RAJSHAHI (RAMPUR-BOALIA).	0.41	7	6½	Prospects of <i>aman</i> paddy are good. Harvesting of jute and <i>aus</i> paddy continues. Fodder and water are sufficient. Cattle-disease is reported from the Sadar and Natore subdivisions.
	Naogaon ...	1.09	6	6	
	Nator ...	0.23	6½	6½	
13	DINAJPUR ...	0.90	8½	7½	Weather seasonable. Prospects of winter paddy are good and its transplantation is finished. Harvesting of jute continues and that of <i>bhadoi</i> paddy is nearly finished. Fodder and water are sufficient. Cattle-disease is reported from Birganj, Khansama and Kaharole thanas in Thakurgaon subdivision.
	Thakurgaon ...	Nil	8½	8½	
	Balurghat ...	Nil	9½	8	
14	JALPAIGURI ...	0.15	7	7	Harvesting and steeping of jute continue. Prospects of jute and <i>bhadoi</i> paddy are normal and those of winter paddy are fair.
	Alipur ...	2.01	6	6	

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
15	DARJEELING ...	0.63	5½	5½	Maize and potatoes are being harvested. <i>Marua</i> is progressing well and paddy seedlings are being transplanted. Fodder and water are sufficient. Cattle-disease exists in places.
	Kurseong ...	2.49	6	6	
	Siliguri ...	0.10	6	6	
	Kalimpong ...	0.29	5½	5½	
16	RANGPUR ...	0.40	6½	6½	Transplantation of winter rice and harvesting of jute are nearly finished. More rain is urgently needed for standing crops. Foot and mouth disease of cattle is reported from Gaibandha subdivision. Fodder and water are sufficient.
	Nilphamari ...	Nil	6½	6½	
	Kurigram ...	Nil	6	6½	
	Gaibandha ...	0.05	7½	7½	
17	BOGRA ...	1.32	7½	7½	Harvesting of <i>aus</i> paddy and jute and steeping of jute and the transplantation of winter paddy seedlings continue.
18	PABNA ...	0.95	6½	6	Weather partially rainy and cloudy. Prospects of standing crops are good. Harvesting of jute still continues. Agricultural stock is sufficient. Rice market is fluctuating. Pasturage, fodder and water are sufficient.
	Sirajganj ...	1.09	6½	6½	
19	MALDA ...	2.43	6½	6½	Harvesting of jute and <i>bhadoi</i> paddy is almost completed. Prospects of transplanted winter paddy are good.
20	COOCH BEHAR	0.60	7½	7½	Weather seasonable. Transplantation of <i>hai-mantic</i> seedlings and cutting of <i>bitri</i> paddy are finished. Cutting, steeping and washing of jute are continuing. Prospects and condition of standing crops are favourable. Cattle-disease is reported from Tufanganj subdivision. Fodder is sufficient.
21	DACCA ...	0.95	7	7	Weather seasonable. Harvesting of sugarcane is going on. Prospects of <i>aman</i> paddy are reported to be satisfactory. Fodder and water are sufficient.
	Manikganj ...	1.90	7½	7½	
	Narayanganj ...	3.82	7½	(n)	
	Munshiganj (a)	(n)	6½	6½	
22	MYMENSINGH ...	0.25	6½	6½	Weather seasonable. Prospects of standing crops are good. Harvesting of jute is going on. Fodder and water are sufficient.
	Jamalpur ...	0.23	6½	6½	
	Tangail ...	(n)	6½	6½	
	Netrokona ...	1.97	6½	6½	
	Kishorganj ...	1.56	5½	5½	

(a) Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district, rainfall figures for Kapasia thana are reported here.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMO [*] RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
23	FARIDPUR ...	1.94	{ 6½ 6½*	{ 6½ 6½*	Prospects of standing crops are unfavourable. Fodder is insufficient.
	Goalundo (Rajbari).	1.04	6	6	
	Madaripur ...	Nil	8	6½	
	Gopalganj (a) ...	(n)	(n)	6½	
24	BAKARGANJ (BARISAL).	1.05	6½	6½	Weather seasonable. Prospects of standing crops are fair. Fodder and water are sufficient.
	Pirojpur ...	0.37	6	6	
	Patuakhali ...	0.85	6½	6½	
	Dakshin Shabazpur (Bhola).	0.38	7½	(n)	
25	CHITTAGONG ...	1.05	{ 5½ 6½*	{ 5½ 6½*	Transplantation of <i>aman</i> paddy and harvesting of <i>aus</i> paddy are in progress. Prospects of standing crops are fair. Fodder is sufficient. <i>Panga</i> salt is selling at 13 seers per rupee at Sadar subdivision and 10½ seers at Cox's Bazar. Cattle-disease is reported from Sitakunda and Chakaria.
	Cox's Bazar ...	0.69	6	6	
26	TIPPERA (COMILLA).	0.52	5½	5½	Weather hot and cloudy. Harvesting of <i>aus</i> paddy and jute is nearly finished and transplantation of winter paddy is nearing completion. Prospects of standing crops are fair.
	Brahmanbaria	0.71	5½	5½	
	Chandpur ...	2.24	6½	6½	
27	NOAKHALI ...	4.20	6	5½	Weather stormy. Prospects of standing crops are good. Fodder and water are sufficient.
	Feni ...	0.58	6½	6½	
28	CHITTAGONG HILL TRACTS.	2.68	6	6	Prospects of crops are favourable. Fodder and water are sufficient. Condition of cotton is not promising.
29	TRIPURA STATE	1.41	5½	5½	Weather seasonable. Transplantation of winter rice and harvesting of jute are going on. Cotton is flowering. condition of cattle is good. Prospects of standing crops are fair. Jute is selling at Rs. 6 and cleaned cotton at Rs. 25 to Rs. 50 per maund.

* Burma rice.

(a) The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

(n) Not reported.

J. GHOSH, for Director of Agriculture, Bengal.

Dacca, the 23rd September 1922.

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 21st September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	15th Sept. 1922	6 A.M. ...	126.20'	0.00'	126.20'	...	...	124.50'	118.60'	
	15th "	6 " ...	28.05'	56.319'	84.369'	...	...	81.219'	78.719'	
	15th "	8 hours ...	23.40'	4.896'	28.296'	...	...	28.096'	27.696'	
Erahmaputra	15th "	8 A.M. ...	19.80'	135.18'	154.98'	...	...	160.28'	155.38'	
	15th "	12 hours ...	37.70'	1.509'	39.209'	...	...	41.809'	42.909'	
	15th "	8 A.M. ...	16.10'	314.18'	330.28'	...	...	334.18'	330.68'	
Meghna	15th "	6 hours ...	19.00'	1.61'	20.61'	Steady.		20.11'	21.11'	
	15th "	12.45 " ...	12.33'	1.61'	13.94'	...	...	12.86'	15.36'	
	15th "	7 " ...	30.90'	1.509'	32.409'	...	...	28.709'	30.059'	
Dhaleswari	15th "	7 A.M. ...	28.90'	- 8.62'	20.28'	...	...	19.18'	20.18'	
Bhagirathi	15th "	6 " ...	27.17'	1.509'	28.6 9'	...	...	28.679'	26.949'	
Damodar	15th "	6 " ...	5.58'	92.58'	98.16'	...	...	102.41'	101.58'	
Lakhya	15th "	6.30 " ...	22.37'	- 5.59'	16.78'	...	...	16.97'	18.49'	
Madaripur Bil Route (Lower Kumar).	15th "	6 " ...	14.60'	- 0.599'	14.001'	...	...	13.101'	13.001'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 21st September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	16th Sept, 1922	6 A.M. ...	.....	0-00'	...	...	...	125-30'	119 00'	
	16th "	6 "	27-50'	56-319'	83-819'	...	0-55'	80-619'	78-569'	
	16th "	8 hours ...	23-20'	4-896'	28-036'	...	0-20'	28-196'	27-796'	
Brahmaputra	16th "	8 A.M. ...	19-40'	135-18'	154-58'	...	0-40'	161-08'	155-78'	
	16th "	12 hours ...	37-50'	1-509'	39-009'	...	0-20'	41-709'	43-209'	
	16th "	8 A.M. ...	15-90'	314-18'	330-08'	...	0-20'	333-58'	331-58'	
	16th "	6 hours	18-92'	1-61'	20-53'	...	0-08'	20-11'	21-15'	
Meghna	16th "	13-35 "	12-00'	1-61'	13-61'	...	0-33'	13-11'	14-86'	
	16th "	7 "	30-85'	1-509'	32-359'	...	0-05'	28-559'	29-959'	
	16th "	7 A.M. ...	28-70'	-8-62'	20-08'	...	0-20'	19-08'	20-38'	
Dhaleswari	16th "	6 "	27-09'	1-509'	28-599'	...	0-08'	28-799'	26-949'	
Bhagirathi	16th "	6 "	4-92'	92-58'	97-50'	...	0-67'	104-41'	103-33'	
Damodar	16th "	6-30 "	23-27'	-5-59'	17-68'	0-90'	...	17-08'	18-28'	
Lakshya	16th "	6 "	14-50'	-0-599'	13-901'	...	0-10'	13-101'	13-101'	
Madaripur Bill Route (Lower Kumar).	16th "	6 "	14-50'	-0-599'	13-901'	...	0-10'	13-101'	13-101'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 21st September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	18th Sept. 1922	6 A.M.	123.50'	0.00'	123.50'	...	0.80'	126.00'	119.00'	
	18th "	6 "	26.00'	56.319'	82.319'	...	1.00'	82.269'	78.519'	
	18th "	8 hours	22.90'	4.896'	27.796'	...	0.30'	28.396'	27.796'	
Brahmaputra	18th "	8 A.M.	18.10'	135.18'	153.28'	...	0.70'	161.58'	159.18'	
	18th "	12 hours	37.00'	1.509'	38.509'	...	0.30'	41.909'	43.209'	
	18th "	8 A.M.	15.30'	314.18'	329.48'	...	0.20'	330.68'	334.98'	
Meghna ...	18th "	6 hours	18.75'	1.61'	20.36'	...	0.08'	20.11'	21.15'	
	18th "	15-10 "	12.33'	1.61'	13.94'	0.17'	...	13.86'	14.11'	
	18th "	7 "	30.95'	1.509'	32.459'	Steady		28.459'	30.609'	
Dhaleswari	18th "	7 A.M.	28.20'	-8.62'	19.58'	...	0.30'	19.18'	20.58'	
Bhagirathi	18th "	6 "	26.86'	1.509'	28.369'	...	0.09'	28.739'	26.829'	
Damodar	18th "	6 "	4.58'	92.58'	97.16'	...	0.42'	100.08'	100.75'	
Lakhya	18th "	6-30,	23.14'	-5.59'	17.55'	...	0.06'	17.28'	18.03'	
Madaripur Bil Route (Lower Kumar).	18th "	6 "	14.35'	-0.599'	13.751'	...	0.10'	13.101'	13.051'	

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 21st September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero above P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	{ Monghyr { Rajmahal { Goalundo ...	20th Sept. 1922 " " "	6 A.M. 6 " 8 hours	121·70' 23·90' 22·10'	0·00' 56·319' 4·896'	121·70' 80·219' 26·996'	... ... ...	0·80' 1·00' 0·50'	125·30' 82·419' 28·596'	117·50' 77·819' 27·696'
Brahmaputra	{ Gauhati { Serajganj { Dibrugarh ...	" " " " "	8 A.M. 12 hours 8 A.M.	16·80' 36·30' 15·20'	135·18' 1·509' 314·18'	151·98' 37·809' 329·38'	... ... 0·10'	0·50' 0·40' ...	160·88' 42·209' 329·78'	161·68' 43·009' 333·18'
Meghna	{ Bhairab Bazar { Chandpur { Fenchuganj ...	" " " " "	6 hours 17 " 7 "	18·58' 12·58' 30·75'	1·61' 1·61' 1·509'	20·19' 14·19' 32·259'	... 0·17' ..	0·08' ... 0·10	20·11' 14·36' 28·759'	21·28' 13·19' 30·859'
Dhaleswari	... Sabhar ...	" "	7 A.M.	27·70'	- 8·62'	19·08'	...	0·40'	19·38'	20·68'
Bhagirathi	... Swarupganj ...	" "	6 "	26·47'	1·509'	27·979'	...	0·23'	28·479'	26·319'
Danodar	... Edilpur ...	" "	6 "	4·17'	92·58'	96·75'	...	0·08'	98·08'	101·08'
Lakhya ...	... Narayanganj ...	" "	6-30 "	22·92'	- 5·59'	17·33'	...	0·21'	17·33'	17·66'
Madaripur Bil Route (Lower Kumar).	... Takerhat ...	" "	6 "	14·10'	- 0·559'	13·501'	...	0·15'	13·101'	12·801'

Statement showing the daily gauge-readings of certain rivers at the stations named below for week ending Thursday, the 21st September 1922.

Name of river and place where readings are taken.	Date.	Hour.	Reading on gauge.	Value of zero referred to P. W. D. datum.	Height above P. W. D. datum.	COMPARED WITH PREVIOUS DAY'S HEIGHT.		HEIGHT ABOVE P. W. D. DATUM ON SAME DATE IN—		Remarks.
						Rise.	Fall.	1921.	1920.	
Ganges ...	21st Sept. 1922	6 A.M. ...	121.50'	0.00'	121.50'	...	0.20'	124.60'	117.00'	
	21st "	6 " ...	23.35'	56.319'	79.669'	...	0.55'	82.269'	77.419'	
	21st "	8 hours ...	21.50'	4.896'	26.396'	...	0.60'	28.796'	27.496'	
Brahmaputra	21st "	8 A.M. ...	16.20'	135.18'	151.38'	...	0.60'	168.28'	161.98'	
	21st "	12 hours ...	35.80'	1.509'	37.309'	...	0.50'	42.359'	42.909'	
	21st "	8 A.M. ...	15.05'	314.18'	329.23'	...	0.15'	329.68'	332.78'	
Meghna ...	21st "	6 hours	18.50'	1.61'	20.11'	...	0.08'	20.03'	21.23'	
	21st "	5-30 "	12.58'	1.61'	14.19'	Steady		14.36'	12.78'	
	21st "	7 hours ...	30.70'	1.509'	32.209'	...	0.05'	28.809'	30.859'	
Dhaleswari	21st "	7 A.M. ...	27.30'	- 8.62'	18.68'	...	0.40'	19.48'	20.58'	
Bhagirathi	21st "	6 " ...	26.10'	1.509'	27.609'	...	0.37'	28.369'	25.699'	
Damodar	21st "	6 " ...	4.00'	92.58'	96.58'	...	0.17'	97.83'	98.66'	
Laknya ...	21st "	6-30 " ...	22.42'	- 5.59'	17.33'	Steady		17.35'	17.53'	
Madaripur Bil Route (Lower Kumar).	21st "	6 " ...	13.90'	- 0.599'	13.301'	...	0.20'	13.101'	12.701'	

DEPARTMENT OF STATISTICS, INDIA.

CALCUTTA TRADE FLUCTUATIONS.

THE following tables are intended to show the trade by all routes, *i.e.*, by rail, river, canal, road and sea, of the Calcutta block* in certain selected articles during the four months, April to July, 1922, as compared with the corresponding period of 1921 and 1920. The statistics have been compiled from returns furnished by the Collector of Customs, Calcutta, Railway Audit Offices, Steamer Companies, the Commissioners for the Port of Calcutta, the Collectors of the 24-Parganas and Howrah, and the Assistant Engineer, Calcutta Canals.

General Summary.

Imports.—The imports of rice, including paddy†, into Calcutta* by rail, river, canal, road, and sea (coastwise) during the four months, April to July, 1922, amounted to 4,854,000 maunds as against 5,256,000 maunds in the corresponding period of the preceding year,—a decrease of 402,000 maunds or 8 per cent. There was also a decrease of 22 per cent in the imports of coal and coke (31,161,000 maunds as against 40,276,000 maunds a year ago). The value of the imports by rail, river, road, and sea (coastwise) of Indian cotton piece-goods showed an increase of 32 per cent, the total value amounting to Rs. 3,79 lakhs as against Rs. 2,88 lakhs in 1921. The quantity of indigo imported during the four months, April to July, 1922, increased from 150 maunds last year to 213 maunds. The imports of raw jute amounted to 935,000 bales as against 753,000 bales,—an increase of 182,000 bales or 24 per cent. The importation of gunny bags, on the other hand, showed a decrease of 5 million bags (84 million bags against 89 millions in the preceding year). The total imports of oilseeds (linseed and rape and mustard seed) increased by 1,533,000 maunds, or 62 per cent, from 2,476,000 maunds to 4,009,000 maunds, but those of sugar declined by 50,000 maunds, or 22 per cent, from 224,000 maunds to 174,000 maunds. The imports of tea increased from 528,000 maunds to 589,000 maunds or 11 per cent.

Exports.—The value of the exports of cotton piece-goods, foreign, from Calcutta* by all routes during the four months, April to July, 1922, increased by 10 per cent from Rs. 7,23 lakhs to Rs. 7,96 lakhs. The exports of gunny bags (including the exports by sea to foreign countries) decreased from 321 million to 306 million bags, and the shipments of gunny bags to other Indian ports decreased from 21 to 16 millions in number in the period under review. The quantity of kerosene oil despatched from Calcutta and Budge-Budge by internal routes and by sea (coastwise) showed a decrease of 97,000 maunds or 5 per cent, from 2,040,000 maunds to 1,943,000 maunds.

* The Calcutta block consists of the town of Calcutta with Howrah and Kidderpore Docks.

† One maund of paddy is equivalent to 25 seers of rice.

TABLE I

Trade of Calcutta in certain selected Articles in the four months, April to July, 1922, compared with the corresponding months of 1921.

	IMPORTS		EXPORTS	
	BY RAIL, ROAD, RIVER, CANAL AND SEA (COASTWISE) (a)		BY SEA (FOREIGN AND COASTWISE)	
	April to July, 1922	April to July, 1921	April to July, 1922	April to July, 1921
Food-grains—				
Rice Mds	4,000,173	4,468,784	2,003,610	714,094
Paddy "	1,366,593	1,239,807	6,287	27
Total (in rice) (b)	4,864,294	5,236,163	2,007,539	714,110
Wheat "	1,063,157	1,866,902	3,283	51,210
Wheat flour "	48,901	132,073	132,091	261,262
Gram and pulse "	2,699,778	2,586,242	471,080	773,578
Other food-grains "	262,237	344,396	21,026	22,513
Total food-grains	8,910,387	10,185,776	3,648,019	1,822,673
Coal and Coke "	31,160,666	40,275,666	7,809,456	19,232,053
Cotton, raw Bales	61,950	43,918	79,989	13,206
" twist and yarn, Indian Mds	150,070	145,152	30,533	48,553
" piece-goods, Indian Rs	3,78,78,665	2,86,20,069	4,73,961	6,26,975
Indigo Mds	213	150	1,321	4,703
Jute, raw Bales	934,779	753,215	717,514	370,468
" gunny-bags No	33,806,817	39,087,269	390,888,336	306,133,926
Lac Mds	216,200	218,516	175,529	204,773
Oilseeds—Linseed "	2,283,677	1,237,645	1,828,080	741,805
" Rape and mustard "	1,725,818	1,238,811	19,927	3,948
Silk, raw "	1,361	251	1,758	745
Sugar—refined "	57,021	41,490	120,466	58,307
" unrefined "	116,079	182,320	18,722	12,397
Tea (Indian) "	589,116	528,087	269,787	668,107
Tobacco—unmanufactured "	310,159	258,771	62,238	36,453
" manufactured "	19,869	15,166	2,095	4,192

	IMPORTS		EXPORTS	
	BY SEA (FOREIGN AND COASTWISE) (d)		BY RAIL, ROAD, RIVER, CANAL AND SEA (COASTWISE)	
	April to July, 1922	April to July, 1921	April to July, 1922	April to July, 1921
Cotton twist and yarn—foreign Mds	66,043	67,158	76,887	66,090
" " " —Indian "	51,707	34,712	168,743	171,154
" piece-goods—foreign Rs	7,28,67,609	7,57,71,062	7,95,86,645	7,23,04,277
" " " —Indian "	1,88,22,128	1,12,89,185	2,06,06,590	1,42,41,413
Kerosene oil (c) Mds	2,184,372	1,694,427	1,942,971	2,039,818
Salt "	3,785,228	1,742,083	3,429,706	3,695,465
Gunny-bags No	.....	.....	32,075,711	35,595,712

(a) The imports by sea are coastwise imports from other Indian ports only.

(b) One maund of paddy is equivalent to 25 seers of rice.

(c) Including figures of Budge-Budge trade.

(d) The imports by sea include imports from other Indian ports, together with imports from foreign countries.